


**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 3

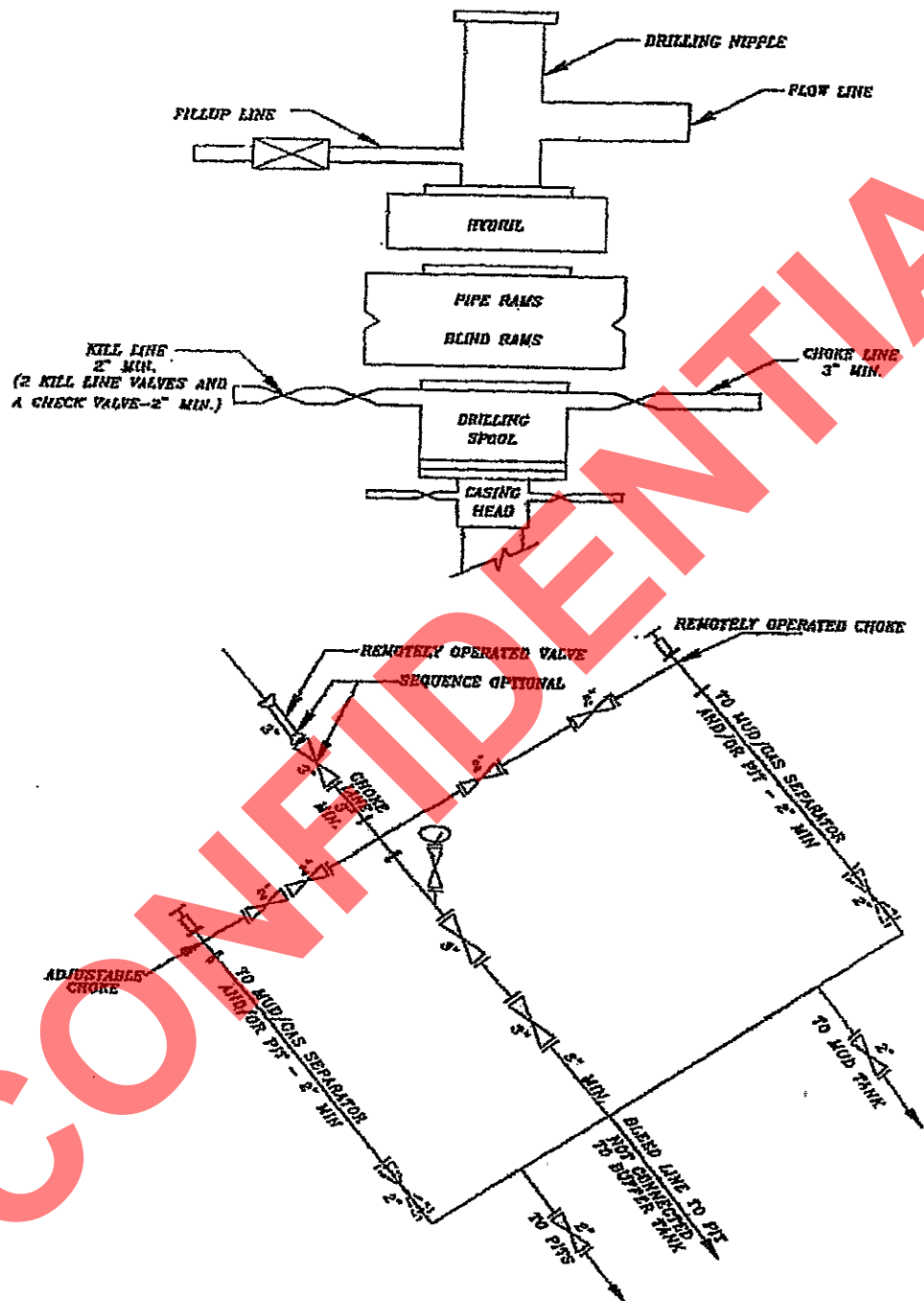
AMENDED REPORT ☒

|   |           |                   |  |                |  |   |                            |                 |       |        |
|---|-----------|-------------------|--|----------------|--|---|----------------------------|-----------------|-------|--------|
| <b>APPLICATION FOR PERMIT TO DRILL</b>  |           |                   |  |                |  | <b>1. WELL NAME and NUMBER</b><br>Potter 4-27B5   |                            |                 |       |        |
| <b>2. TYPE OF WORK</b><br>DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/> |           |                   |  |                |  | <b>3. FIELD OR WILDCAT</b><br>ALTAMONT  |                            |                 |       |        |
| <b>4. TYPE OF WELL</b><br>Oil Well Coalbed Methane Well: NO   |           |                   |  |                |  | <b>5. UNIT or COMMUNITIZATION AGREEMENT NAME</b>  |                            |                 |       |        |
| <b>6. NAME OF OPERATOR</b><br>EL PASO E&P COMPANY, LP   |           |                   |  |                |  | <b>7. OPERATOR PHONE</b><br>303 291-6417  |                            |                 |       |        |
| <b>8. ADDRESS OF OPERATOR</b><br>1099 18th ST, STE 1900 , Denver, CO, 80202   |           |                   |  |                |  | <b>9. OPERATOR E-MAIL</b><br>marie.okeefe@elpaso.com  |                            |                 |       |        |
| <b>10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)</b><br>Fee  |           |                   | <b>11. MINERAL OWNERSHIP</b><br>FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>    |                |  | <b>12. SURFACE OWNERSHIP</b><br>FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/> |                            |                 |       |        |
| <b>13. NAME OF SURFACE OWNER (if box 12 = 'fee')</b><br>See item 10 in Surface use and owner info attachment  |           |                   |  |                |  | <b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b><br>Multiple  |                            |                 |       |        |
| <b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b>   |           |                   |  |                |  | <b>16. SURFACE OWNER E-MAIL (if box 12 = 'fee')</b>   |                            |                 |       |        |
| <b>17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')</b>   |           |                   | <b>18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS</b><br>YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/> |                |  | <b>19. SLANT</b><br>VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>                               |                            |                 |       |        |
| <b>20. LOCATION OF WELL</b>   |           | <b>FOOTAGES</b>   |  | <b>QTR-QTR</b> | <b>SECTION</b>   | <b>TOWNSHIP</b>   | <b>RANGE</b>               | <b>MERIDIAN</b> |       |        |
| LOCATION AT SURFACE   |           | 1537 FNL 1061 FWL |  | SWNW           | 27   | 2.0 S   | 5.0 W                      | U               |       |        |
| Top of Uppermost Producing Zone   |           | 1537 FNL 1061 FWL |  | SWNW           | 27   | 2.0 S   | 5.0 W                      | U               |       |        |
| At Total Depth  |           | 1537 FNL 1061 FWL |  | SWNW           | 27   | 2.0 S   | 5.0 W                      | U               |       |        |
| <b>21. COUNTY</b><br>DUCHESNE   |           |                   | <b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b><br>1061   |                |  | <b>23. NUMBER OF ACRES IN DRILLING UNIT</b><br>640  |                            |                 |       |        |
|   |           |                   | <b>25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)</b><br>2200   |                |  | <b>26. PROPOSED DEPTH</b><br>MD: 12900 TVD: 12900   |                            |                 |       |        |
| <b>27. ELEVATION - GROUND LEVEL</b><br>6054   |           |                   | <b>28. BOND NUMBER</b><br>400JU0708  |                |  | <b>29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b><br>43-7295 Duchesne City Water   |                            |                 |       |        |
| <b>Hole, Casing, and Cement Information</b>   |           |                   |  |                |  |   |                            |                 |       |        |
| String  | Hole Size | Casing Size       | Length   | Weight         | Grade & Thread   | Max Mud Wt.   | Cement                     | Sacks           | Yield | Weight |
| Cond  | 17.5      | 13.375            | 0 - 1000   | 54.5           | J-55 LT&C  | 9.0   | Class G                    | 670             | 1.15  | 15.6   |
| Surf  | 12.25     | 9.625             | 0 - 4000   | 40.0           | J-55 LT&C  | 9.0   | Premium Lite High Strength | 770             | 1.78  | 12.0   |
|   |           |                   |  |                |  |   | Class G                    | 160             | 1.25  | 14.4   |
| I1  | 8.75      | 7                 | 0 - 9441   | 29.0           | P-110 LT&C   | 10.5  | Premium Lite High Strength | 550             | 1.78  | 12.0   |
|   |           |                   |  |                |  |   | Class G                    | 60              | 1.62  | 14.1   |
| L1  | 6.125     | 4.5               | 9241 - 12900   | 13.5           | P-110 LT&C   | 13.0  | Class G                    | 240             | 1.86  | 14.5   |
| <b>ATTACHMENTS</b>  |           |                   |  |                |  |   |                            |                 |       |        |
| <b>VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES</b>   |           |                   |  |                |  |   |                            |                 |       |        |
| <input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER  |           |                   |  |                | <input checked="" type="checkbox"/> COMPLETE DRILLING PLAN                 |   |                            |                 |       |        |
| <input checked="" type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)   |           |                   |  |                | <input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER |   |                            |                 |       |        |
| <input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)   |           |                   |  |                | <input checked="" type="checkbox"/> TOPOGRAPHICAL MAP                      |   |                            |                 |       |        |
| <b>NAME</b> Marie Okeefe  |           |                   | <b>TITLE</b> Sr Regulatory Analyst   |                |  | <b>PHONE</b> 303 291-6417   |                            |                 |       |        |
| <b>SIGNATURE</b>  |           |                   | <b>DATE</b> 12/29/2010   |                |  | <b>EMAIL</b> marie.okeefe@elpaso.com  |                            |                 |       |        |
| <b>API NUMBER ASSIGNED</b><br>43013505710000  |           |                   | <b>APPROVAL</b><br><br>Permit Manager  |                |  |   |                            |                 |       |        |

RECEIVED: Apr. 26, 2011

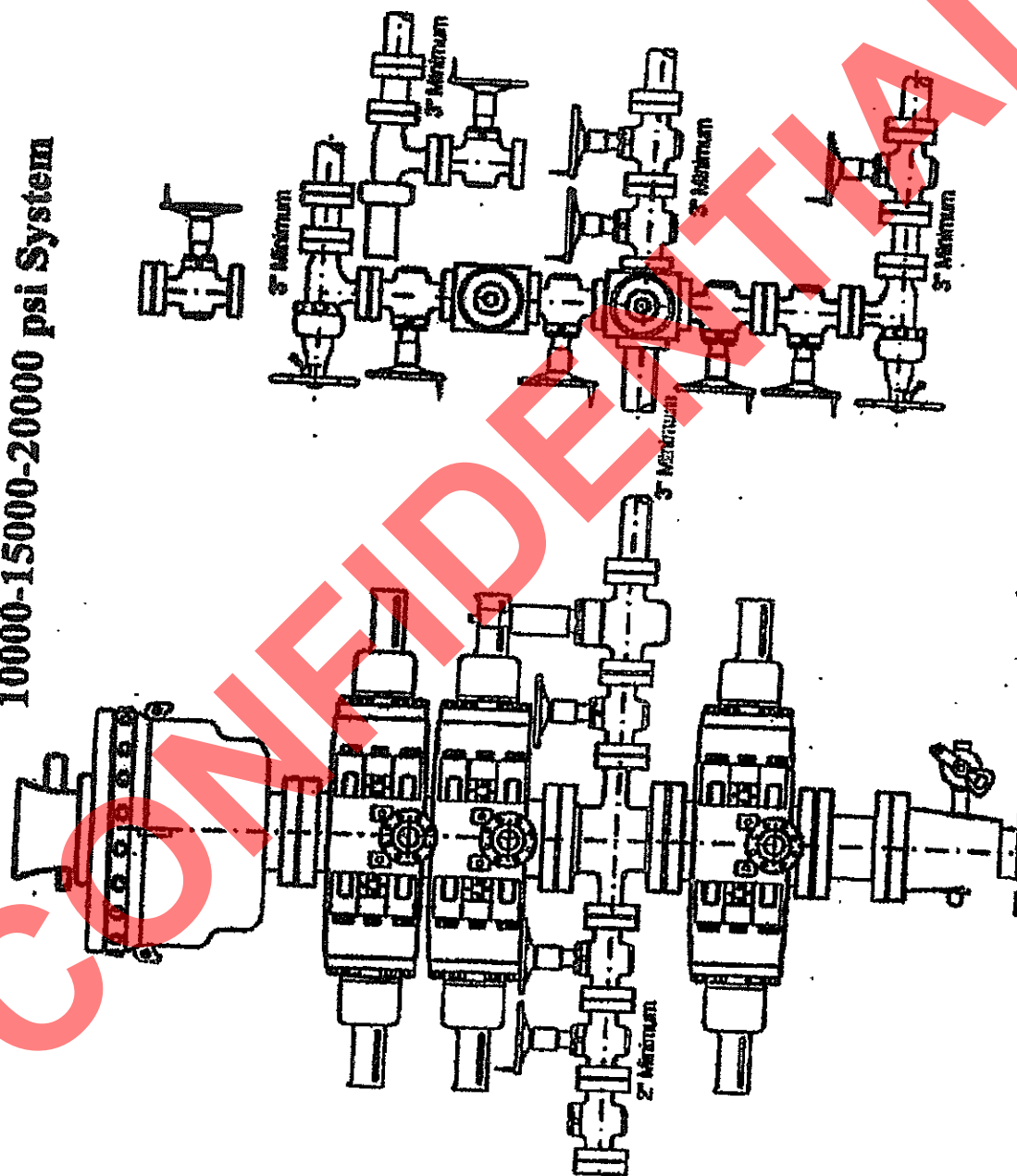


# 5M BOP STACK and CHOKE MANIFOLD SYSTEM





10000-15000-20000 psi System





**Potter 4-27B5  
SW NW Sec. 27, T2S, R5W  
DUCHESNE COUNTY, UT**

**EL PASO E&P COMPANY, L.P.**

**DRILLING PROGRAM**

**1. Estimated Tops of Important Geologic Markers**

| <u>Formation</u> | <u>Depth</u> |
|------------------|--------------|
| Green River      | 5,516'       |
| Mahogany Bench   | 6,506'       |
| L. Green River   | 7,831'       |
| Wasatch          | 9,341'       |
| TD               | 12,900'      |

**2. Estimated Depths of Anticipated Water, Oil, Gas or Mineral Formations:**

| <u>Substance</u> | <u>Formation</u> | <u>Depth</u> |
|------------------|------------------|--------------|
| Oil              | L. Green River   | 7,831'       |
| Oil              | Wasatch          | 9,341'       |

**3. Pressure Control Equipment: (Schematic Attached)**

A 5.0" by 20.0" rotating head on structural pipe from surface to 1000'.

A 2M annular and rotating head with 2M choke and kill lines from 1000' to 4,000' on Conductor.

A 5M BOP stack, 5M kill lines and choke manifold used from 4,000' to 9,441'.

An 11.0", 10M BOE w/rotating head, 5M annular, blind rams & mud cross from 9,441' to 12,900'.

The BOPE and related equipment will meet the requirements of the 2M, 5M and 10M systems respectively.

**OPERATORS MINIMUM SPECIFIC FOR BOPE:**

The conductor pipe will be equipped with a 2M flanged casing head, and we will NU a 13 5/8" 2M BOP consisting of a minimum 2M annular and a rotating head with 2M choke and kill lines. This annular will be tested to 250 low and 1000 high psi. (50% of rated working pressure) prior to drill out. The choke manifold equipment (designed to 5M specifications as shown in attached diagram), upper



Kelly cock, floor safety valves and choke and kill lines will be tested to 250 psi low and 2000 high psi. BOPE will be hydraulically operated.

The surface casing will be equipped with a flanged casing head of 5M PSI working pressure. We will NU a 13 5/8" 5M BOP, 5M Annular. This equipment will be nipped up on the surface casing and tested to 250 psi low test/5M psi high test prior to drilling out. The surface casing will be tested to 1500 psi. Intermediate casing will be tested to the greater of 1500 psi or .22 psi/ft. The 5M choke manifold equipment, upper Kelly cock, floor safety valves will be tested to 5M psi. The annular preventor will be tested to 250 psi low test and 2500 psi high test or 50% of rated working pressure.

A 10M BOP installed with 5M annular with 3 1/2" rams, blind rams, mud cross and rotating head from intermediate casing depth to TD. The BOPE will be hydraulically operated.

In addition, the BOP equipment will be tested after running intermediate casing, after any repairs to the equipment and at least once every 30 days. Pipe and blind rams will be activated on each trip, annular preventor will be activated weekly and weekly BOP drills will be held with each crew.

**Statement on Accumulator System and Location of Hydraulic Controls:**

Precision Rig #406 will be used at the proposed location. Operations will commence after approval of this application. Manual and/or hydraulic controls will be in compliance for 5M and 10M psi systems.

**Auxiliary Equipment:**

- A) Mud logger with gas monitor – 5,516' to TD
- B) Choke manifold with one manual and one hydraulic operated choke
- C) Full opening floor valve with drill pipe thread
- D) Upper and lower Kelly cock
- E) Shakers

**4. Proposed Casing & Cementing Program:**

Please refer to the attached Casing and Cementing Program.

**5. Drilling Fluids Program:**

Proposed Mud Program:

| Interval | Type | Mud Weight |
|----------|------|------------|
| Surface  | WBM  | 8.4 – 9.0  |



|              |     |            |
|--------------|-----|------------|
| Intermediate | WBM | 8.4 – 10.5 |
| Production   | WBM | 9.5 – 13   |

Anticipated mud weights are based on actual offset well mud weights with safety margin. Mud weights utilized may be somewhat higher to allow for trip margin and to provide hole stability for running logs and casing.

Visual mud monitoring equipment will be utilized.

6. **Evaluation Program:**

Please refer to the attached Logging Program.

7. **Abnormal Conditions:**

Maximum anticipated bottom hole pressure calculated at 12,900' TD equals 8,720 psi (calculated at 0.676 psi/foot).

Maximum anticipated surface pressure equals approximately 5,882 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/ft).

Maximum anticipated surface pressure based on frac gradient at 7" casing shoe is 0.8 psi/ft at 9,441' = 5,476 psi

BOPE and casing design is based on the lesser of the two MASPs which is frac at shoe 5,476 psi.

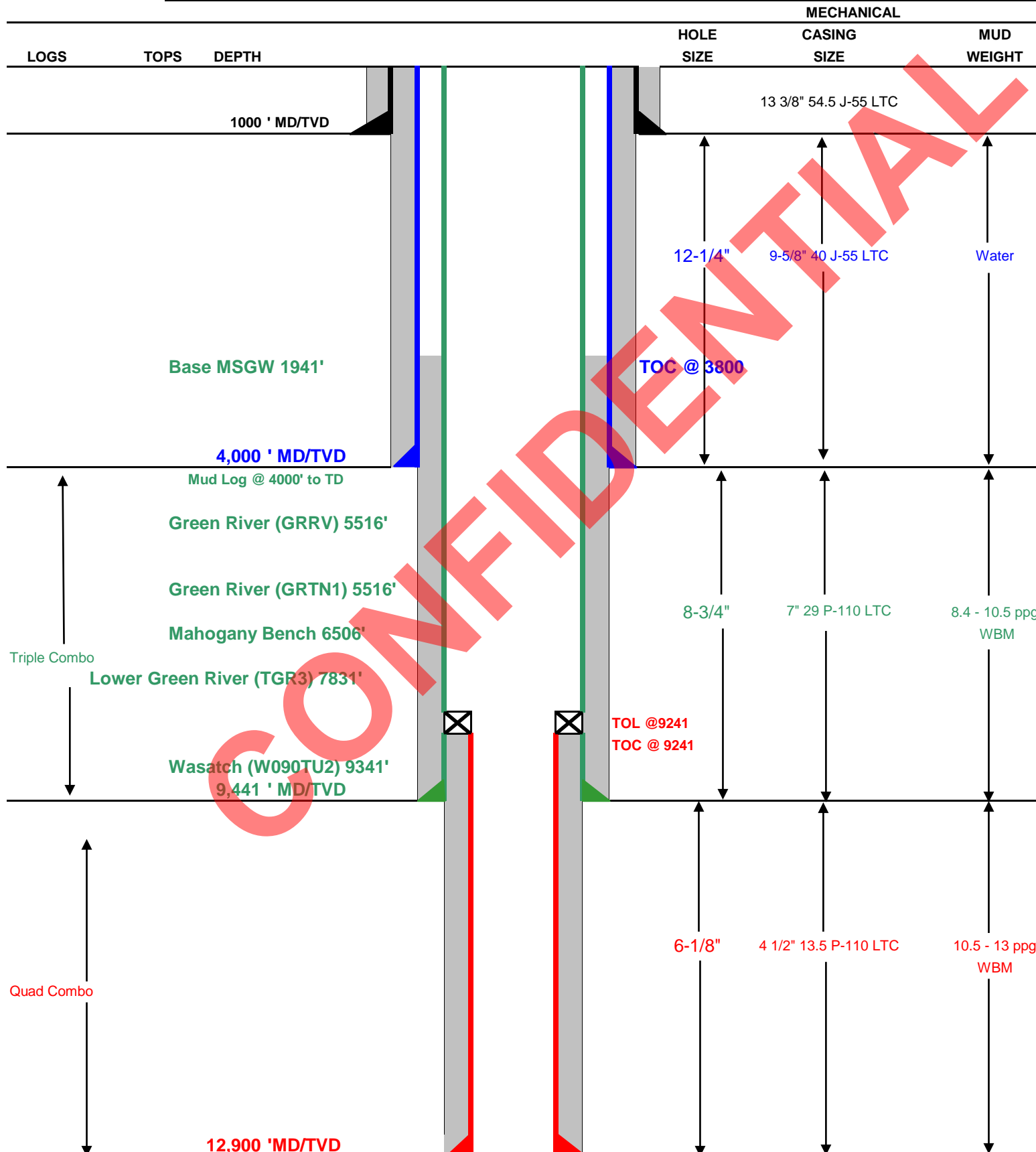
8. **OPERATOR REQUESTS THAT THE PROPOSED WELL BE PLACED ON CONFIDENTIAL STATUS.**





## Drilling Schematic

|                              |  |                     |                  |
|------------------------------|--|---------------------|------------------|
| <b>Company Name:</b>         | El Paso Exploration & Production   | <b>Date:</b>        | October 27, 2010 |
| <b>Well Name:</b>            | Potter 4-27B5  | <b>TD:</b>          | 12,900           |
| <b>Field, County, State:</b> | Altamont - Bluebell, Duchesne, Utah  | <b>AFE #:</b>       |                  |
| <b>Surface Location:</b>     | Sec 27 T2S R5W 1537' FNL 1061' FWL   | <b>BHL:</b>         | Vertical Well    |
| <b>Objective Zone(s):</b>    | Green River, Wasatch   | <b>Elevation:</b>   | 6153'            |
| <b>Rig:</b>                  | Precision drilling 406   | <b>Spud (est.):</b> |                  |
| <b>BOPE Info:</b>            | 5.0 x 13 3/8 rotating head from 600 to 4000 11 5M BOP stack and 5M kill lines and choke manifold used from 4000 to 9441 & 11 10M BOE w/rotating head, 5M annular, 3.5 rams, blind rams & mud cross from 9441 to TD |                     |                  |





**DRILLING PROGRAM****CASING PROGRAM**

|                  | SIZE    | INTERVAL      | WT.   | GR.   | CPLG. | DESIGN FACTORS |          |         |
|------------------|---------|---------------|-------|-------|-------|----------------|----------|---------|
|                  |         |               |       |       |       | BURST          | COLLAPSE | TENSION |
| CONDUCTOR        | 13 3/8" | 0' - 1000     | 54.5  | J-55  | LTC   | 2,730          | 1,140    | 1,399   |
|                  |         |               |       |       |       | 3.41           | 2.44     | 25.67   |
|                  |         |               |       |       |       | 3,950          | 2,570    | 520     |
| SURFACE          | 9-5/8"  | 0' - 4000     | 40.00 | J-55  | LTC   | 1.23           | 1.37     | 2.18    |
|                  |         |               |       |       |       | 11,220         | 8,530    | 797     |
| INTERMEDIATE     | 7"      | 0' - 9441     | 29.00 | P-110 | LTC   | 1.50           | 1.67     | 2.43    |
|                  |         |               |       |       |       | 12,410         | 10,680   | 338     |
| PRODUCTION LINER | 4 1/2"  | 9241' - 12900 | 13.50 | P-110 | LTC   | 4.52           | 1.179    | 2.31    |

| CEMENT PROGRAM   |      | FT. OF FILL | DESCRIPTION  | SACKS | EXCESS | WEIGHT   | YIELD |
|------------------|------|-------------|--|-------|--------|----------|-------|
| CONDUCTOR        |      | 1000        | Class G + 3% CACL2   | 670   | 10%    | 15.6 ppg | 1.15  |
|                  |      |             |  |       |        |          |       |
| SURFACE          | Lead | 3,500       | TXI completions grade  | 770   | 25%    | 12.0 ppg | 1.78  |
|                  |      |             |  |       |        |          |       |
|                  | Tail | 500         | Class G 50:50 poz, 2% CaCl2, 2% gel<br>0.3% sodium metasilicate                                    | 160   | 25%    | 14.4 ppg | 1.25  |
|                  |      |             |  |       |        |          |       |
| INTERMEDIATE     | Lead | 5,141       | TXI Completions grade  | 550   | 25%    | 12.0 ppg | 1.78  |
|                  |      |             |  |       |        |          |       |
|                  | Tail | 500         | 10:0 RFC (Class G)   | 60    | 25%    | 14.1 ppg | 1.62  |
|                  |      |             |  |       |        |          |       |
| PRODUCTION LINER |      | 3,659       | WellBond Slurry  | 240   | 25%    | 14.5 ppg | 1.86  |
|                  |      |             | Class G + 35% D66 + 1.6 gps D600G +<br>0.05 gps D80 + 0.3% D167 + 0.2% D46 +<br>0.4% D800 + 1% D20 |       |        |          |       |
|                  |      |             |  |       |        |          |       |
|                  |      |             |  |       |        |          |       |

**FLOAT EQUIPMENT & CENTRALIZERS**

|              |   |
|--------------|---|
| CONDUCTOR    | PDC drillable guide shoe, 1 joint, PDC drillable float collar. Thread lock all float equipment. Install bow spring centralizers on the bottom 3 joints of casing.                                     |
| SURFACE      | PDC drillable guide shoe, 1 joint casing, PDC drillable float collar. Thread lock all float equipment. Install bow spring centralizers on the bottom 3 joints of casing & every 3rd joint thereafter. |
| INTERMEDIATE | PDC drillable 10M,P-110 float shoe, 1 joint, PDC drillable 10M, P-110 float collar. Thread lock all float equipment. Install 2 bow spring centralizers every 3rd joint.                               |
| LINER        | Float shoe, 1 joint, float collar. Rigid centralizer every other joint. Thread lock all FE  |

PROJECT ENGINEER(S): Alex Erhardt 303.291.6443

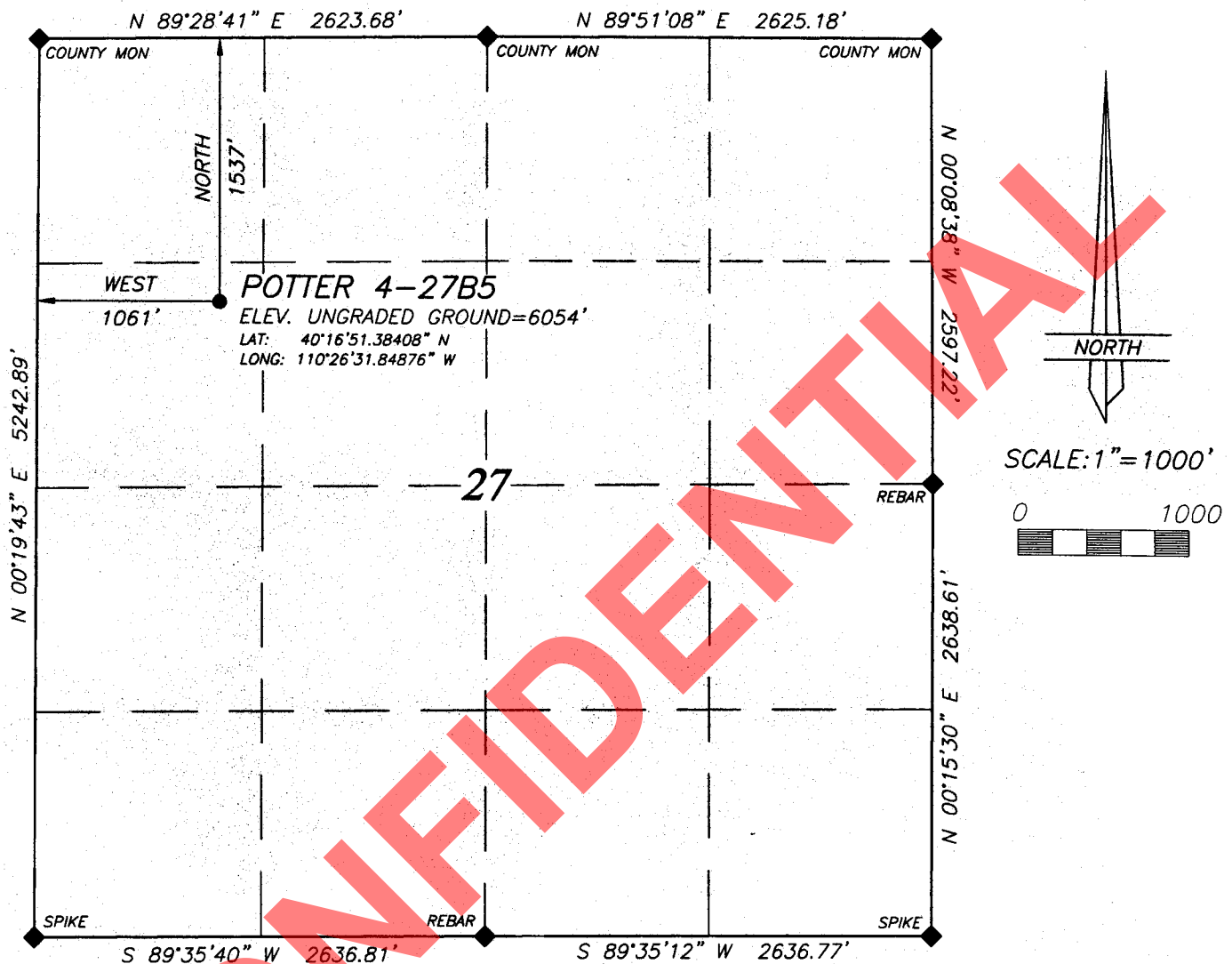
MANAGER: Eric Giles 303.291.6446



**EL PASO E & P COMPANY, L.P.**

WELL LOCATION

POTTER 4-27B5

LOCATED IN THE SW¼ OF THE NW¼ OF  
SECTION 27, T2S, R5W, U.S.B.&M.  
DUCHESE COUNTY, UTAH**LEGEND AND NOTES**◆ **CORNER MONUMENTS FOUND AND USED BY THIS SURVEY**

THE GENERAL LAND OFFICE (G.L.O.) PLAT WAS USED FOR REFERENCE AND CALCULATIONS AS WAS THE U.S.G.S. MAP

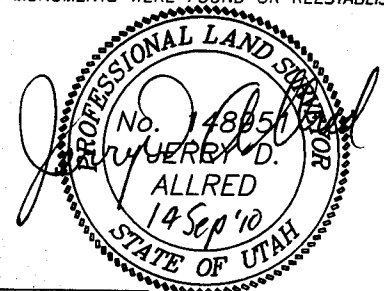
THIS SURVEY WAS PERFORMED USING GLOBAL POSITIONING SYSTEM PROCEDURES AND EQUIPMENT

THE BASIS OF BEARINGS IS GEODETIC NORTH DERIVED FROM G.P.S. OBSERVATIONS AT THE SECTION CORNER LOCATED AT LAT. 40°15'22.90258"N AND LONG. 110°23'21.19760"W USING THE UTAH STATE G.P.S. VIRTUAL REFERENCE STATION CONTROL NETWORK MAINTAINED AND OPERATED BY THE AUTOMATED GEOGRAPHIC REFERENCE CENTER

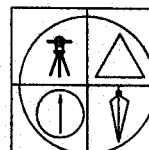
BASIS OF ELEVATIONS: NAVD 88 DATUM USING THE UTAH REFERENCE NETWORK CONTROL SYSTEM

**SURVEYOR'S CERTIFICATE**

I HEREBY CERTIFY THAT THIS PLAT WAS PREPARED FROM THE FIELD NOTES AND ELECTRONIC DATA COLLECTOR FILES OF AN ACTUAL SURVEY PERFORMED BY ME, OR UNDER MY PERSONAL SUPERVISION, DURING WHICH THE SHOWN MONUMENTS WERE FOUND OR REESTABLISHED.



JERRY D. ALLRED, REGISTERED LAND SURVEYOR,  
CERTIFICATE NO. 148951 (UTAH)



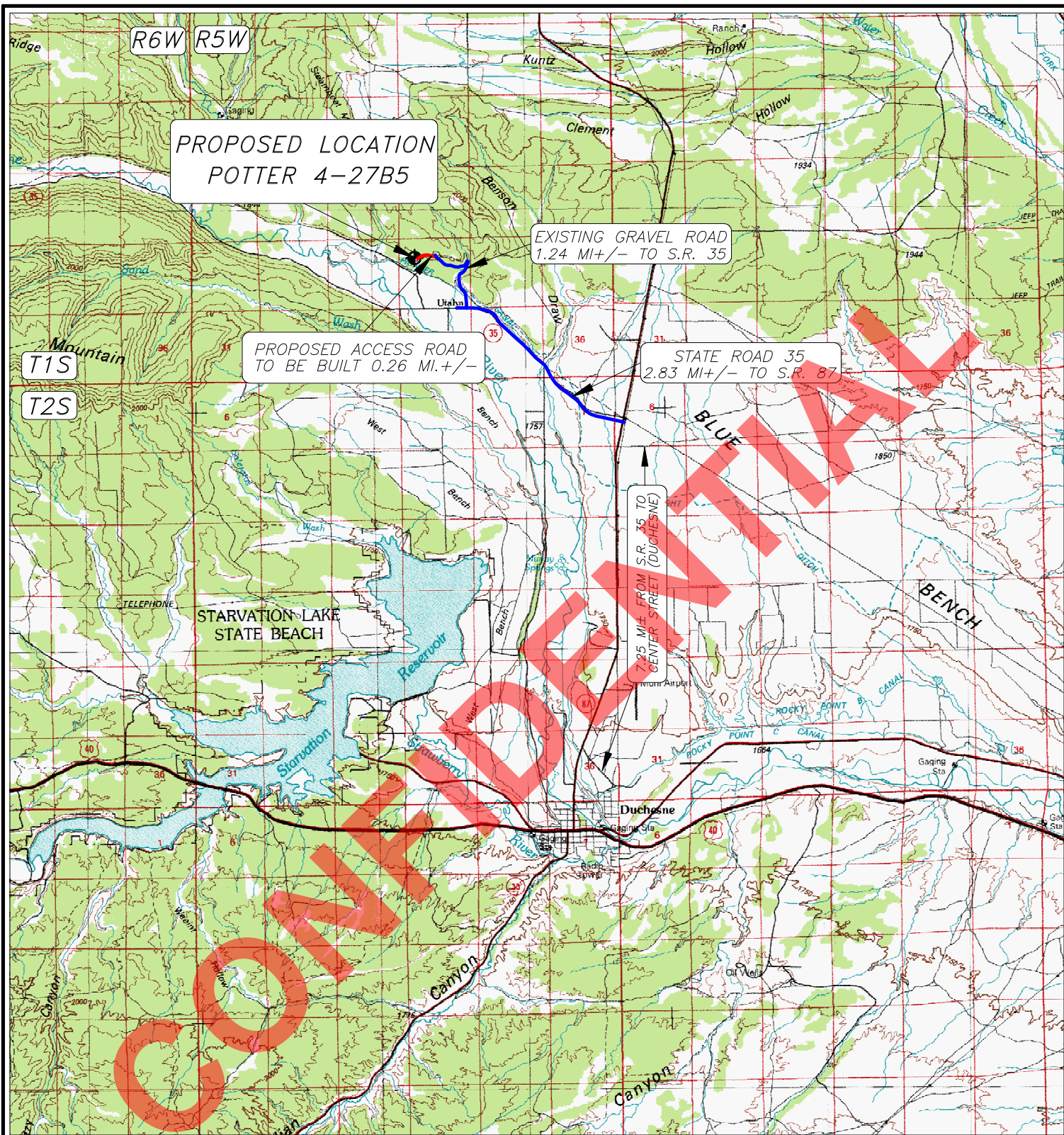
**JERRY D. ALLRED & ASSOCIATES**  
SURVEYING CONSULTANTS

1235 NORTH 700 EAST--P.O. BOX 975  
DUCHESE, UTAH 84021  
(435) 738-5352

9 SEP 2010 01-128-175

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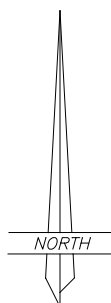
# LEGEND:

 PROPOSED WELL LOCATION

01-128-175

**JERRY D. ALLRED & ASSOCIATES**  
SURVEYING CONSULTANTS

1235 NORTH 700 EAST--P.O. BOX 975  
DUCHEсне, UTAH 84021  
(435) 738-5352



**EL PASO E & P COMPANY, L.P.**

POTTER 4-27B5

SECTION 27, T2S, R5W, U.S.B.&M.

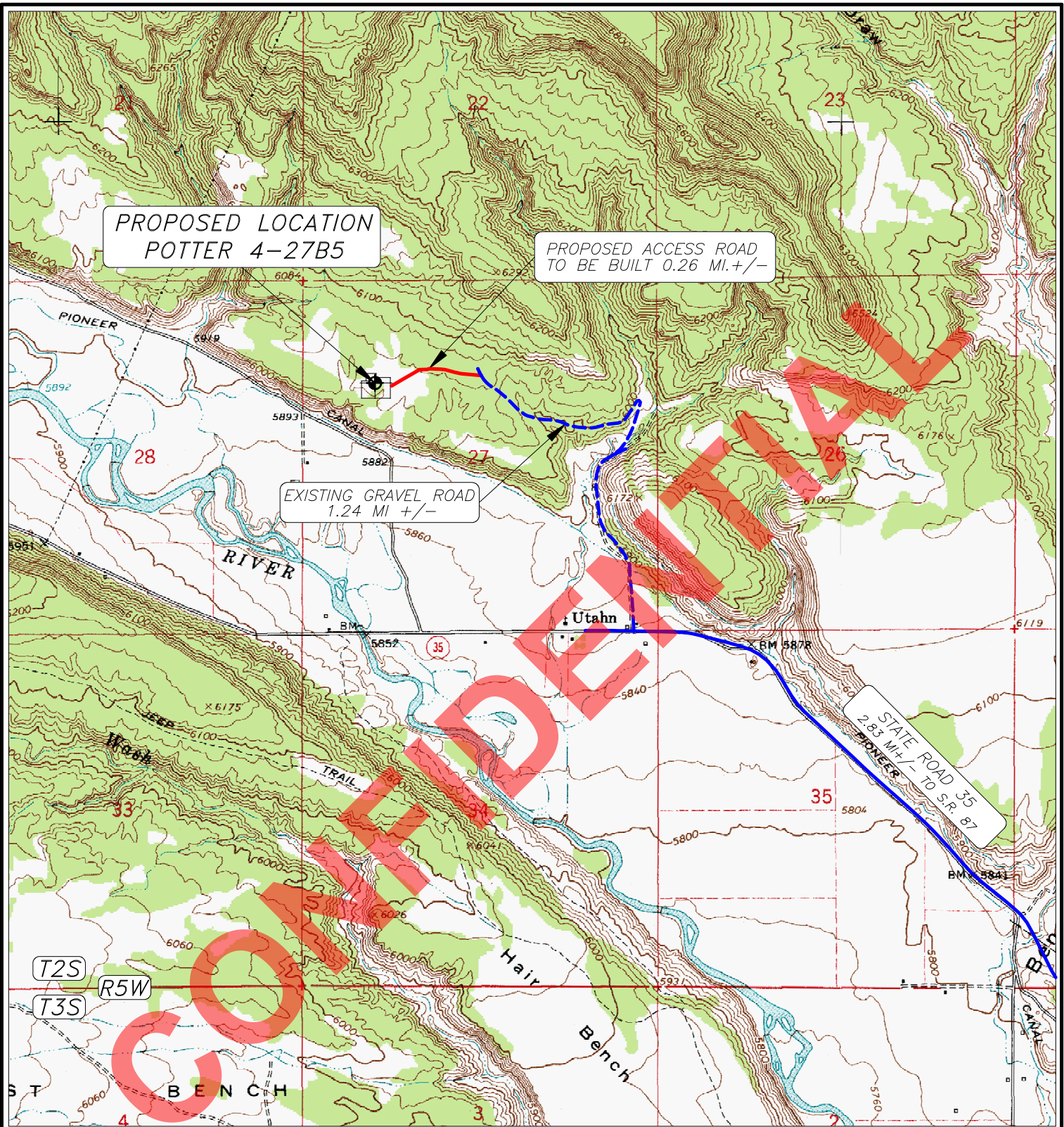
1537' FNL 1061' FWL

**TOPOGRAPHIC MAP "A"**





SCALE: 1"=10,000'

13 SEP 2010

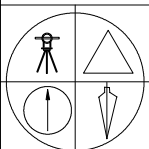




## LEGEND:

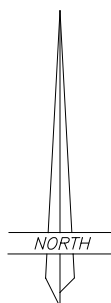
-  PROPOSED WELL LOCATION
-  PROPOSED ACCESS ROAD
-  EXISTING GRAVEL ROAD
-  EXISTING PAVED ROAD

01-128-175



**JERRY D. ALLRED & ASSOCIATES**  
SURVEYING CONSULTANTS

1235 NORTH 700 EAST--P.O. BOX 975  
DUCHESTER, UTAH 84021  
(435) 738-5352



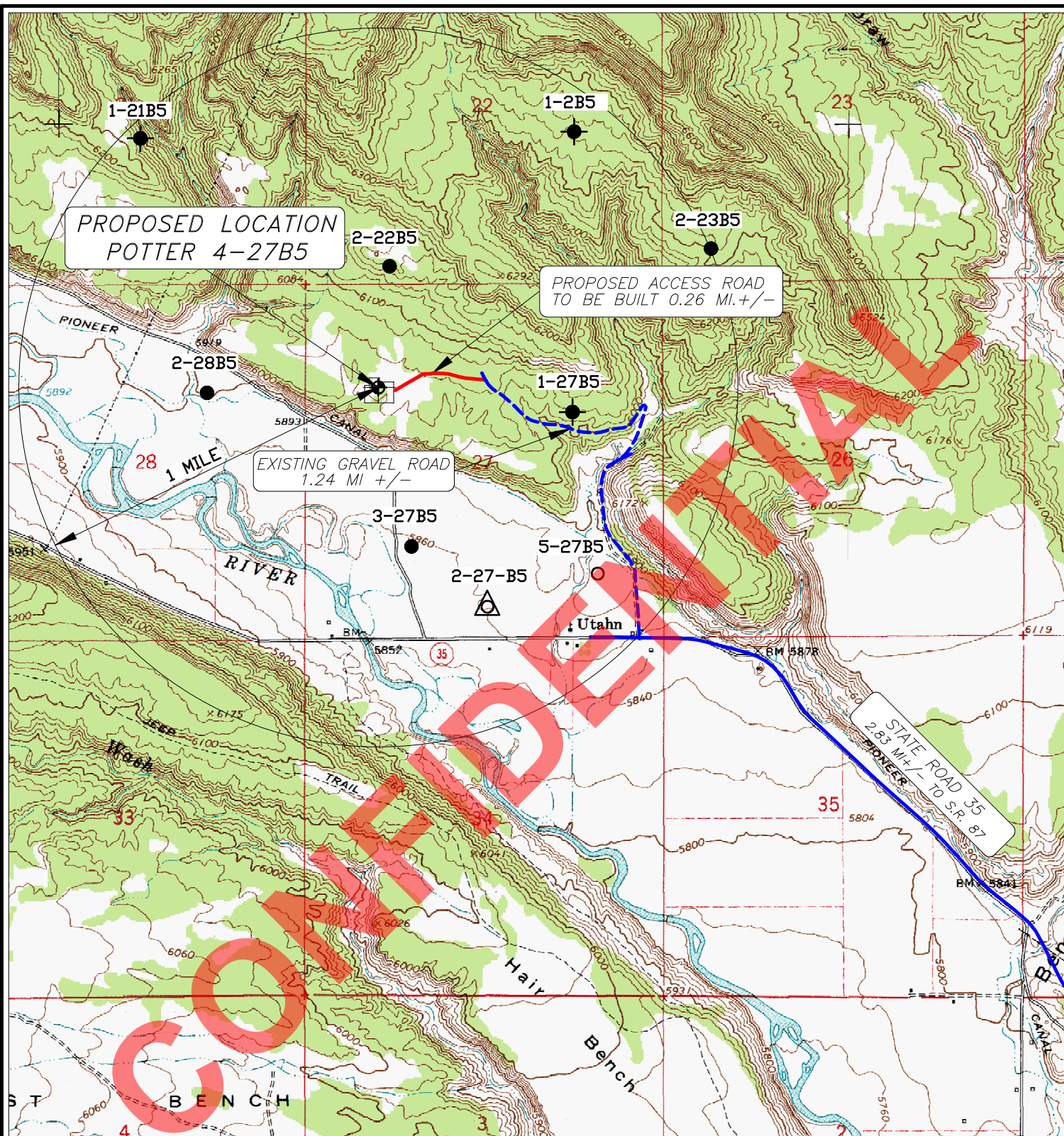
**EL PASO E & P COMPANY, L.P.**

POTTER 4-27B5  
SECTION 27, T2S, R5W, U.S.B.&M.  
1537' FNL 1061' FWL

**TOPOGRAPHIC MAP "B"**

SCALE: 1"=2000'  
13 SEP 2010



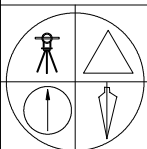


## LEGEND:

⊕ PROPOSED WELL LOCATION

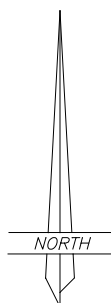
● ○ ⊕ △ OTHER WELLS AS LOCATED FROM  
2-2506 SUPPLIED MAP

01-128-175



**JERRY D. ALLRED & ASSOCIATES**  
SURVEYING CONSULTANTS

1235 NORTH 700 EAST--P.O. BOX 975  
DUCHESTER, UTAH 84021  
(435) 738-5352



**EL PASO E & P COMPANY, L.P.**

POTTER 4-27B5

SECTION 27, T2S, R5W, U.S.B.&M.  
1537' FNL 1061' FWL

**TOPOGRAPHIC MAP "C"**

SCALE: 1"=2000'  
13 SEP 2010



AFFIDAVIT OF SURFACE DAMAGE AND RIGHT-OF-WAY AGREEMENTS

Catherine L. Hammock personally appeared before me, and, being duly sworn, deposes and says: My name is Catherine L. Hammock. I am a Sr. Staff Landman for El Paso E&P Company, L.P., whose address is 1099 18<sup>th</sup> Street, Denver, Colorado 80202 ("El Paso").

1. El Paso is the operator of the proposed Potter 4-27B5 well (the "Well") to be located in the SW/4 of the NW/4 of Section 27, Township 2 South, Range 5 West, USB&M, Duchesne County, Utah (the "Drillsite Location"). The surface owners of the Drillsite Location are Nolan Potter, Julia Abbott and Janice Taylor as Executors of the Estate of Elton Potter and Arva Potter, whose addresses P. O. Box 625, Duchesne, UT 84021, P. O. Box 65, Duchesne, UT 84021, and P. O. Box 164, Duchesne, UT 84021, respectively (the "Surface Owner").
2. El Paso and the Surface Owner have entered into Damage Settlement and Release Agreements dated October 6, 2010 and November 16, 2010 to cover any and all injuries or damages of every character and description sustained by the Surface Owner or Surface Owner's property as a result of operations associated with the drilling of the Well.
3. El Paso and the Surface Owner have also entered into Right-of-Way Agreements dated November 15, 2010 and November 16, 2010 for an access road, powerline and pipeline corridor across the SE/4 of the NW/4 of Section 27, Township 2 South, Range 5 West, USB&M, Duchesne County, Utah.

FURTHER AFFIANT SAYETH NOT.


  
Catherine L. Hammock

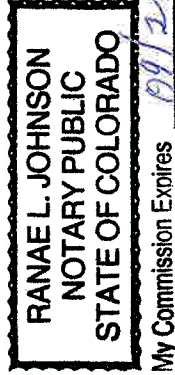
ACKNOWLEDGMENT

STATE OF COLORADO           §  
  §  
CITY AND COUNTY OF DENVER   §

Before me, a Notary Public, in and for this state, on this 17<sup>th</sup> day of November, 2010, personally appeared Catherine L. Hammock, to me known to be the identical person who executed the within and foregoing instrument, and acknowledged to me that she executed the same as her own free and voluntary act and deed for the uses and purposes therein set forth.

My Commission Expires:

  
NOTARY PUBLIC





**EL PASO E&P COMPANY, L.P.**

**Related Surface Information**

**1. Current Surface Use:**

- Livestock Grazing and Oil and Gas Production.

**2. Proposed Surface Disturbance:**

- The road will be crown and ditch. Water wings will be constructed on the access road as needed.
- The topsoil will be windrowed and re-spread in the borrow area.
- New road to be constructed will be approximately .26 miles in length and 66 feet wide.
- All equipment and vehicles will be confined to the access road, pad and area specified in the APD.

**3. Location Of Existing Wells:**

- Existing oil, gas wells within one (1) mile radius of proposed well are provided in EXHIBIT C.

**4. Location And Type Of Drilling Water Supply:**

- Drilling water: 43-7295 and Duchesne City Water

**5. Existing/Proposed Facilities For Productive Well:**

- There are no existing facilities that will be utilized for this well.
- A pipeline corridor .26 miles will parallel the proposed access road. The corridor will contain one 4 inch gas line and one 2 inch gas line and one 2 inch Salt Water disposal line. Rehabilitation of unneeded, previously disturbed areas will consist of backfilling and contouring the reserve pit area; backsloping and contouring all cut and fill slopes. These areas will be reseeded. Refer to plans for reclamation of surface for details.
- Upgrade and maintain access roads and drainage control structures (e.g., culverts, drainage dips, ditching, etc.) as necessary to prevent soil erosion and accommodate safe, year-round traffic.

**6. Construction Materials:**

- Native soil from road and location will be used for construction materials along with gravel and/or scoria road base material. In the event that conditions should necessitate graveling of all or part of the access road and location, surfacing materials will be purchased from commercial suppliers in the marketing area.

**7. Methods For Handling Waste Disposal:**

- The reserve pit will be designed to prevent the collection of surface runoff and will be constructed with a minimum of ½ the total depth below the original ground surface on the lowest point with the pit. The pit will be lined with a 20-mil polyethylene to prevent leakage of fluids. The liner will be rolled into place and secured at the ends, i.e. buried on top of the pit berms. Prior to use, the reserve pit will be fenced on three sides; the fourth side will be fenced at the time the rig is removed. Drilling fluids, cuttings and produced water will be contained in the reserve pit (trash will be placed in the trash cage). Fluids in the reserve pit will be allowed to evaporate prior to pit burial.
- Garbage and other trash will be contained in the portable trash cage and hauled off the location to an authorized disposal site. Any trash on the pad will be cleaned up prior to the rig moving off location and hauled to an authorized disposal site.
- Sewage will be handled in Portable Toilets.
- Produced water will be placed in the reserve pit for a period not to exceed ninety days after initial production. Any hydrocarbons produced during completion work will be contained in test tanks and removed from the location at a later date.
- Water from the reserve pit may be used for drilling of additional wells. The water will be trucked along access roads as approved in pertinent APD's

**8. Ancillary Facilities:**

- There will be no ancillary facilities associated with this project.



**9. Surface Reclamation Plans:**

Backfilling of the pits will be done when dry. In the event of a dry hole, the location will be re-contoured, the topsoil will be distributed evenly over the entire location, and the seedbed prepared.

- Seed will be planted after September 15<sup>th</sup>, and prior to ground frost, or seed will be planted after the frost has left and before May 15<sup>th</sup>. Slopes to steep for machinery will be hand broadcast and raked with twice the specified amount of seed.
  1. The construction program and design are on the attached cut, fill and cross sectional diagrams.
  2. Prior to construction, all topsoil will be removed from the entire site and stockpiled. Topsoil for this site is the first 6 inches of soil materials.
  3. After the location has been reshaped and after redistributing the topsoil, the operator will rip and scarify the drilling platform and access road on the contour, to a depth of at least 12 inches.
- Rehabilitation will begin upon the completion of the drilling. Complete rehabilitation will depend on weather conditions and the amount of time required to dry the reserve pit.
  1. All rehabilitation work including seeding will be completed as soon as weather and the reserve pit conditions are appropriate.
  2. Landowner will be contacted for rehabilitation requirements.

**10. Surface Ownership:**

Executors of Estate of Elton Potter and Arva Potter

1. Nolan Potter, P.O. Box 625, Duchesne, UT 84021, 435.848.5003(H), 435.733.0340(C)
2. Julia Abbott, P.O. Box 65, Duchesne, UT 84021, 435.738.1140(W)
3. Janice Taylor, P.O. Box 164 Duchesne, UT 84021, 435.738.5577(W)

**11. Other Information:**

- The surface soil consists of clay, and silt.
- Flora – vegetation consists of the following: Sagebrush, Juniper and prairie grasses.
- Fauna – antelope, deer, coyotes, raptors, small mammals, and domestic grazing animals.
- Current surface uses – Livestock grazing and mineral exploration and production.

- **Operator and Contact Persons:**

- Construction and Reclamation:**

- El Paso E & P Company
    - Wayne Garner
    - PO Box 410
    - Altamont, Utah 84001
    - 435-454-3394 – Office
    - 435-823-1490 – Cell

- Regarding This APD**

- El Paso E & P Company
    - Marie O'Keefe
    - 1099 18<sup>th</sup> St. Ste. 1900
    - Denver, CO. 80202
    - 303.291.6417 - Office

- Drilling**

- El Paso E & P Company
    - Eric Giles – Drilling Manager
    - 1099 18<sup>th</sup> St Ste 1900
    - Denver, CO 80202 303.291.6446 – office
    - 303.945.5440 - Cell



**EL PASO E&P COMPANY, L.P.**  
**POTTER 4-27B5**  
**SECTION 27, T2S, R5W, U.S.B.&M.**

PROCEED NORTH ON PAVED STATE HIGHWAY 87 FROM THE INTERSECTION OF HIGHWAY 87 WITH U.S. HIGHWAY 40 IN DUCHESNE, UTAH APPROXIMATELY 7.25 MILES TO THE INTERSECTION OF S.R. 87 WITH S.R. 35;

TURN LEFT AND TRAVEL NORTHWESTERLY ON PAVED S.R. 35 APPROXIMATELY 2.83 MILES TO AN INTERSECTION;

TURN RIGHT AND TRAVEL NORTHERLY AND THEN WESTERLY 1.24 MILES ON GRAVEL ROAD TO THE BEGINNING OF THE ACCESS ROAD;

FOLLOW ROAD FLAGS WESTERLY 0.26 MILES TO THE PROPOSED LOCATION;

TOTAL DISTANCE FROM DUCHESNE, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 11.58 MILES.



# EL PASO E & P COMPANY, L.P.

FIGURE #1

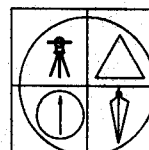
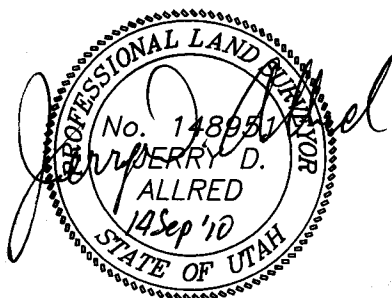
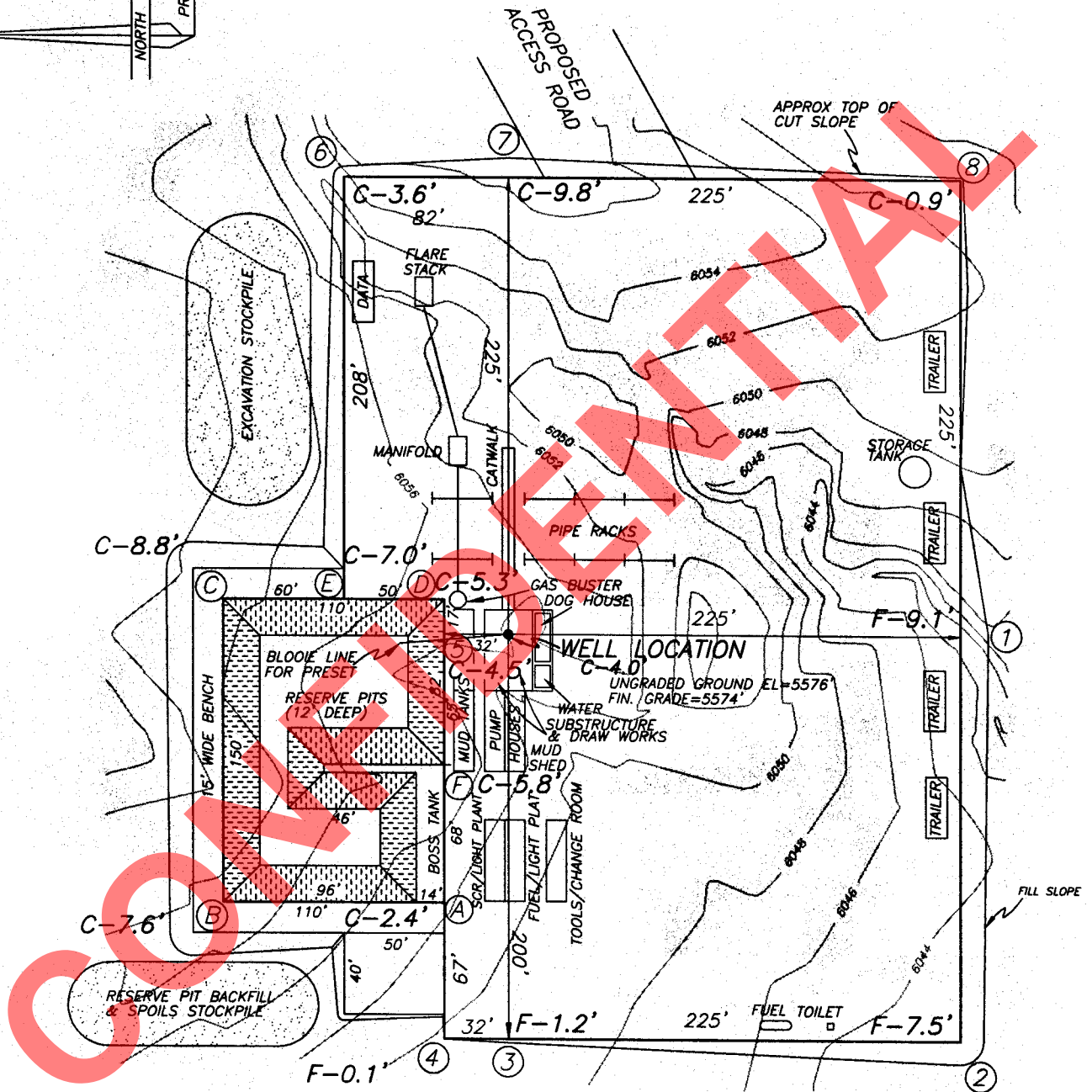
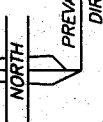
LOCATION LAYOUT FOR

POTTER 4-27B5

SECTION 27 T2S, R5W, U.S.B.&M.

1537' FNL, 1061' FWL

SCALE: 1"=80'



JERRY D. ALLRED & ASSOCIATES  
SURVEYING CONSULTANTS

1235 NORTH 700 EAST--P.O. BOX 975  
DUCHESNE, UTAH 84021  
(435) 738-5352

14 SEP 2010

01-128-175

RECEIVED: Dec. 29, 2010



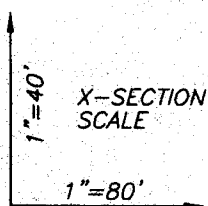
**EL PASO E & P COMPANY, L.P.**

LOCATION LAYOUT FOR

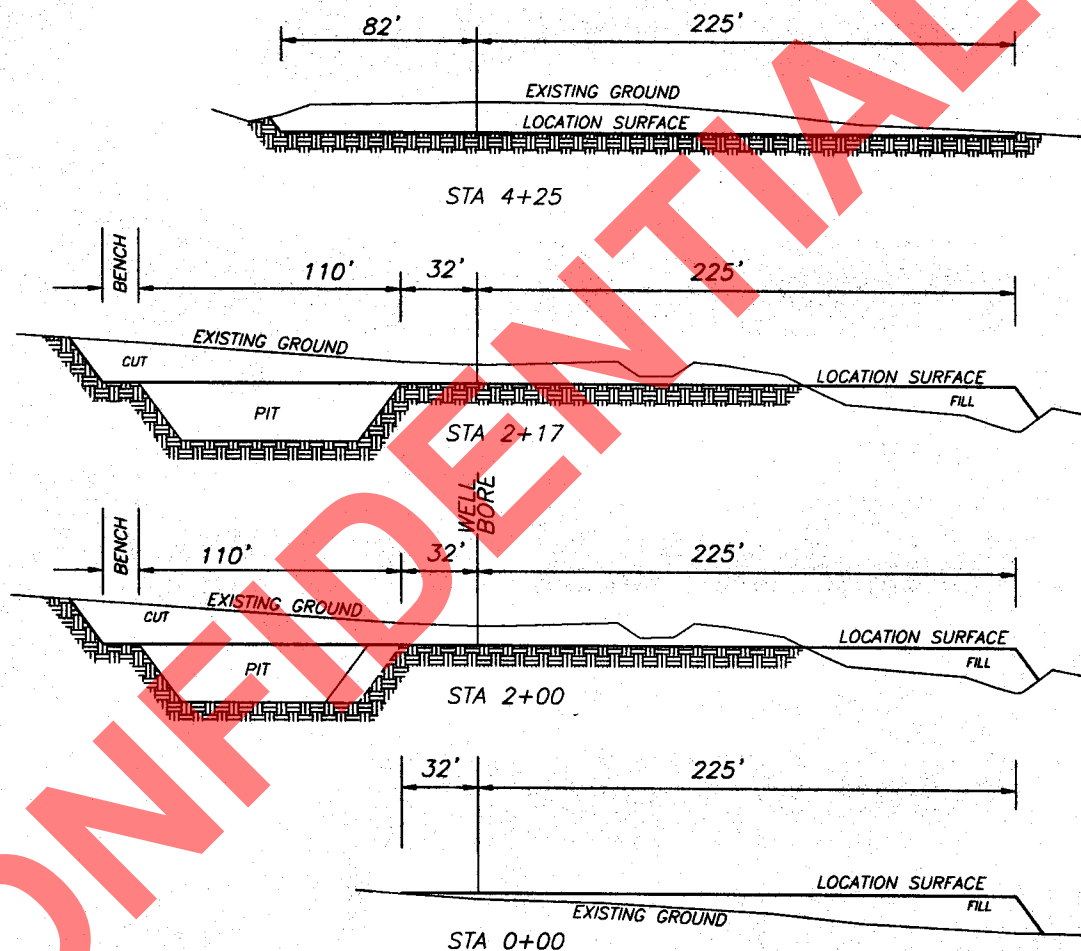
POTTER 4-27B5

SECTION 27 T2S, R5W, U.S.B.&amp;M.

1537' FNL, 1061' FWL

**FIGURE #2**

NOTE: ALL CUT/FILL  
SLOPES ARE 1½:1  
UNLESS OTHERWISE  
NOTED

**APPROXIMATE YARDAGES**

TOTAL CUT (INCLUDING PIT) = 20,715 CU. YDS.

PIT CUT = 4572 CU. YDS.

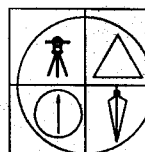
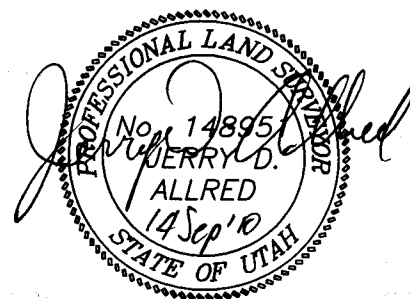
TOPSOIL STRIPPING: (6") = 2886 CU. YDS.

REMAINING LOCATION CUT = 13,257 CU. YDS.

TOTAL FILL = 7,800 CU. YDS.

LOCATION SURFACE GRAVEL=1504 CU. YDS. (4" DEEP)

ACCESS ROAD GRAVEL=380 CU. YDS.

**JERRY D. ALLRED & ASSOCIATES**  
SURVEYING CONSULTANTS1235 NORTH 700 EAST--P.O. BOX 975  
DUCHESTER, UTAH 84021  
(435) 738-5352

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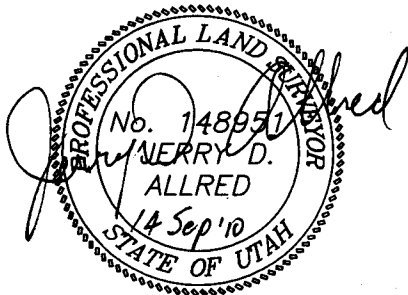
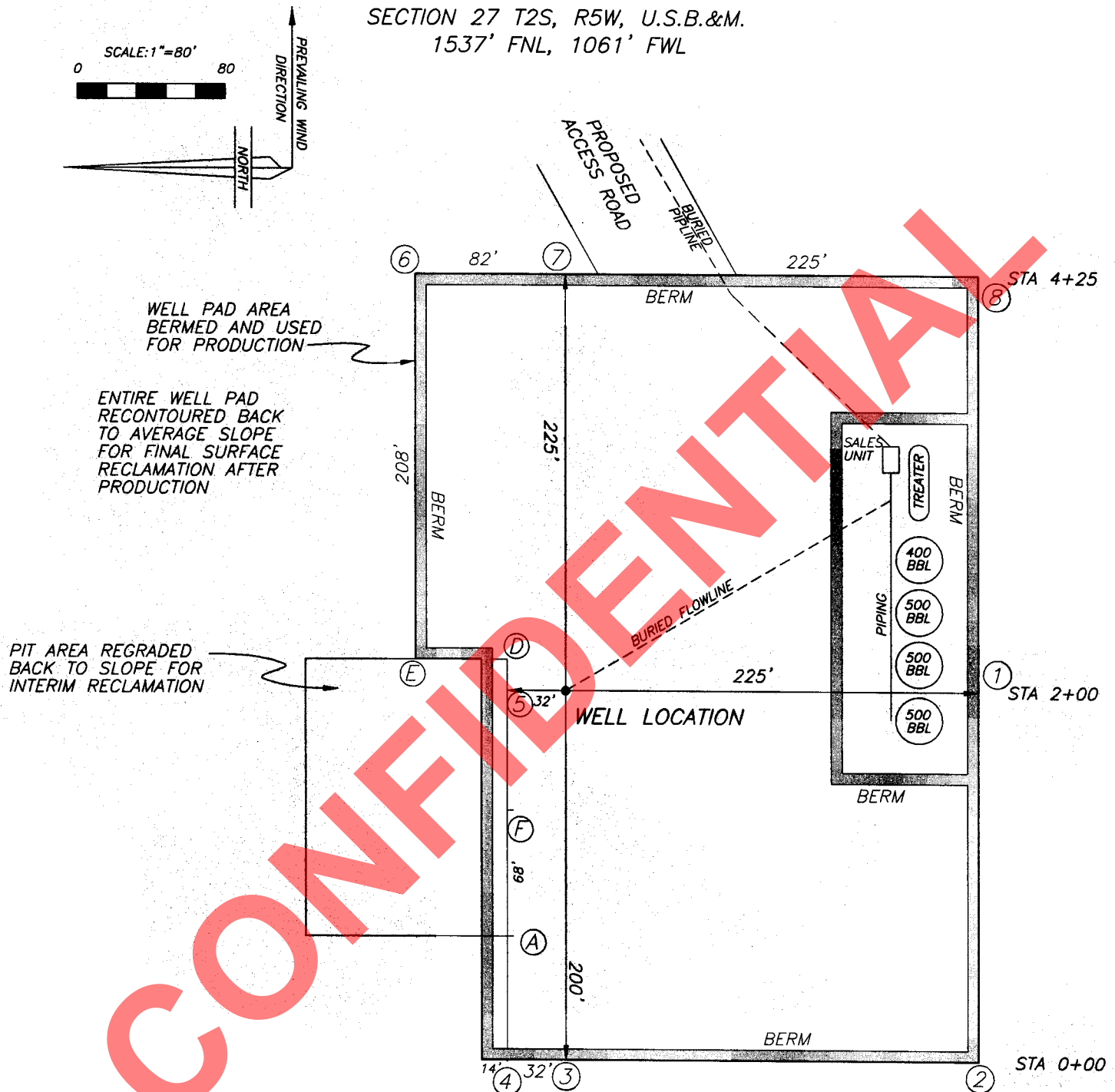
**EL PASO E & P COMPANY, L.P.**

LOCATION LAYOUT FOR

POTTER 4-27B5

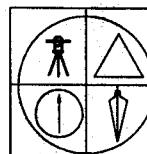
SECTION 27 T2S, R5W, U.S.B.&amp;M.

1537' FNL, 1061' FWL

**FIGURE #3**

14 SEP 2010

01-128-175

**JERRY D. ALLRED & ASSOCIATES**  
SURVEYING CONSULTANTS1235 NORTH 700 EAST--P.O. BOX 975  
DUCHESNE, UTAH 84021  
(435) 738-5352**RECEIVED: Dec. 29, 2010**



LOCATION USE AREA AND ACCESS ROAD, POWER LINE, AND PIPELINE  
CORRIDOR RIGHT-OF-WAY SURVEY FOR  
**ELPASO E&P COMPANY, L.P.**  
**POTTER 4-27B5**  
SECTION 27, T2S, R5W, U.S.B.&M.  
DUCHESNE COUNTY, UTAH

USE AREA BOUNDARY

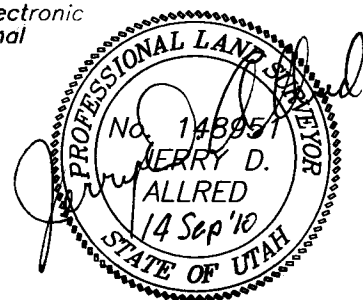
Commencing at the Northwest Corner of Section 27, Township 2 South, Range 5 West of the Uintah Special Base and Meridian;  
Thence South 32°24'54" East 1542.97 feet to the TRUE POINT OF BEGINNING;  
Thence North 90°00'00" East 475.00 feet;  
Thence South 00°00'00" East 474.58 feet;  
Thence North 90°00'00" West 475.00 feet;  
Thence North 00°00'00" East 474.58 feet to the TRUE POINT OF BEGINNING, containing 5.18 acres.

ACCESS ROAD, POWER LINE, AND PIPELINE CORRIDOR RIGHT-OF-WAY DESCRIPTION

A 66 feet wide access road, power line and pipeline corridor right-of-way over portions of Section 27, Township 2 South, Range 5 West of the Uintah Special Base and Meridian, the centerline of said right-of-way being further described as follows:  
Commencing at the Northwest Corner of said Section 27;  
Thence South 39°42'53" East 2037.84 feet to the TRUE POINT OF BEGINNING, said point being on the East line of the Elpaso E&P Co. Potter 4-27B5 well location use boundary;  
Thence North 59°31'02" East 472.76 feet;  
Thence North 89°58'44" East 377.90 feet;  
Thence South 74°02'13" East 151.15 feet;  
Thence South 77°56'35" East 96.00 feet;  
Thence South 84°54'45" East 285.98 feet to the West line of an existing road. Said right-of-way being 1383.80 feet in length with the side lines being shortened or elongated to intersect said use boundary and said road line.

SURVEYOR'S CERTIFICATE

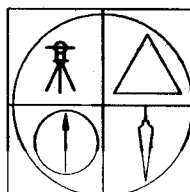
This is to certify that this plat was prepared from the field notes and electronic data collector files of an actual survey made by me, or under my personal supervision, of the use area and access road, power line, and pipeline corridor right-of-way shown hereon, and that the monuments indicated were found or set during said survey, and that this plat accurately represents said survey to the best of my knowledge.



THIS SURVEY WAS PERFORMED USING GLOBAL POSITIONING SYSTEM PROCEDURES AND EQUIPMENT

Jerry D. Allred, Professional Land Surveyor,  
Certificate 148951 (Utah)

THE BASIS OF BEARINGS IS GEODETIC NORTH DERIVED FROM G.P.S. OBSERVATIONS AT THE SECTION CORNER LOCATED AT LAT. 40°15'22.90258"N AND LONG. 110°23'21.19760"W USING THE UTAH STATE G.P.S. VIRTUAL REFERENCE STATION CONTROL NETWORK MAINTAINED AND OPERATED BY THE AUTOMATED GEOGRAPHIC REFERENCE CENTER



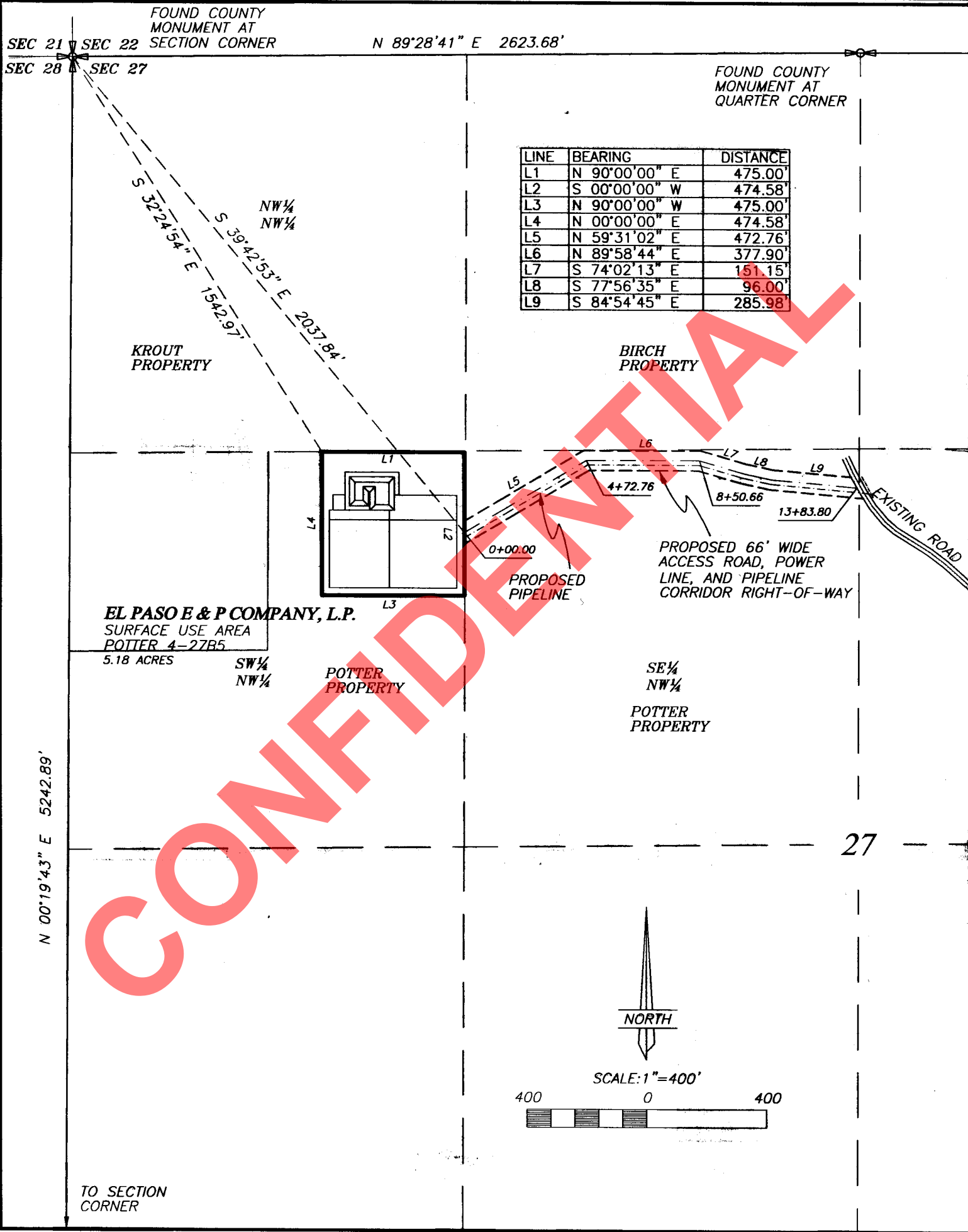
**JERRY D. ALLRED AND ASSOCIATES**  
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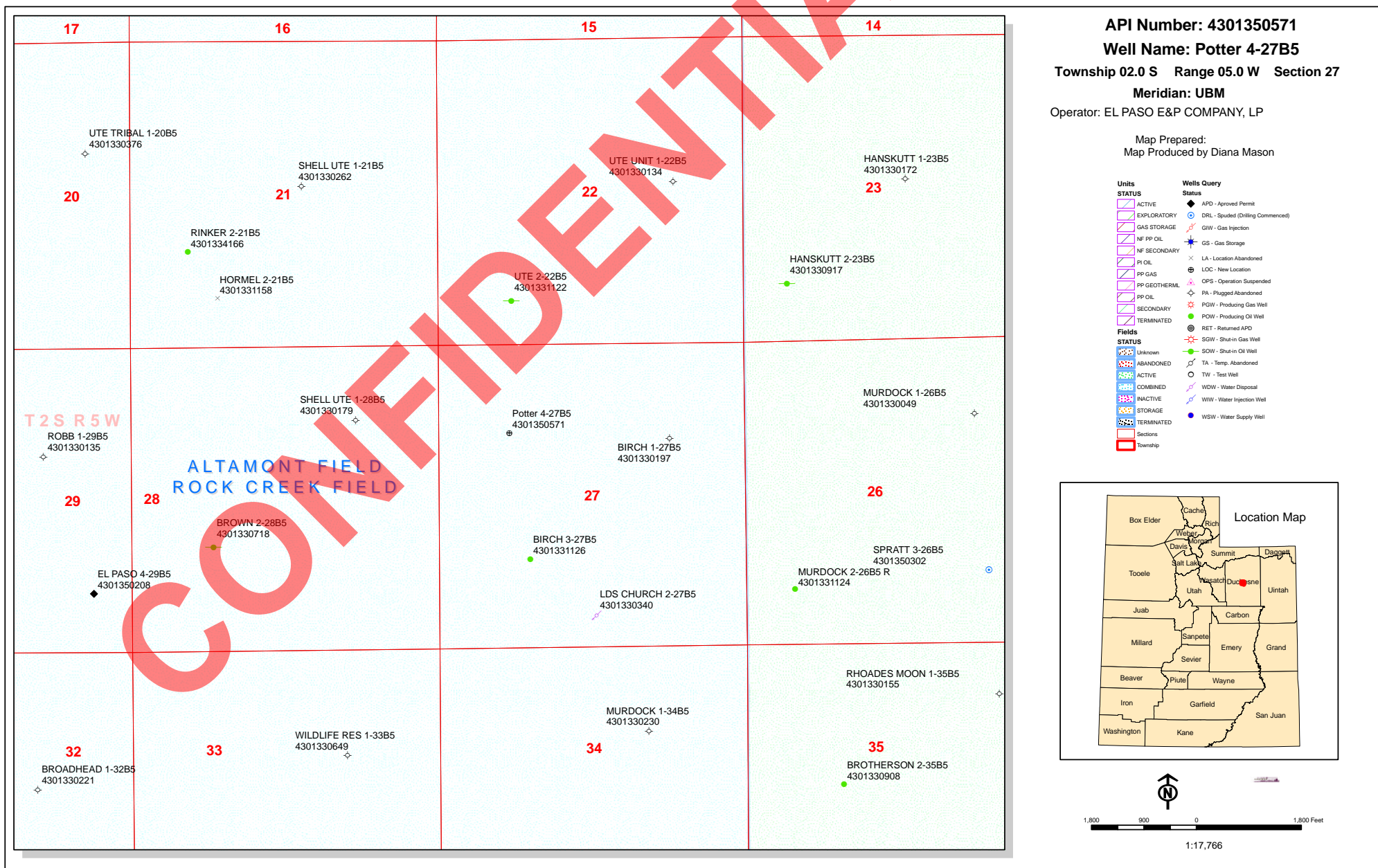
14 SEP 2010

01-128-175











## BOPE REVIEW

EL PASO E&amp;P COMPANY, LP Potter 4-27B5 43013505710000

|  |  |       |       |       |
|--|--|-------|-------|-------|
| Well Name                                | EL PASO E&P COMPANY, LP Potter 4-27B5 43013505710000 |       |       |       |
| String                                   | Cond   | Surf  | I1    | L1    |
| Casing Size(in)                          | 13.375   | 9.625 | 7.000 | 4.500 |
| Setting Depth (TVD)                      | 1000   | 4000  | 9441  | 12900 |
| Previous Shoe Setting Depth (TVD)        | 0  | 1000  | 4000  | 9441  |
| Max Mud Weight (ppg)                     | 9.0  | 9.0   | 10.5  | 13.0  |
| BOPE Proposed (psi)                      | 1000   | 1000  | 5000  | 10000 |
| Casing Internal Yield (psi)              | 2730   | 3761  | 11220 | 12410 |
| Operators Max Anticipated Pressure (psi) | 8720   |       |       | 13.0  |

|   |  |        |   |
|---|--|--------|---|
| Calculations                                  | Cond String  | 13.375 | "   |
| Max BHP (psi)                                 | .052*Setting Depth*MW=                             | 468    |   |
|   |  |        | BOPE Adequate For Drilling And Setting Casing at Depth? |
| MASP (Gas) (psi)                              | Max BHP-(0.12*Setting Depth)=                      | 348    | YES rotating head                                       |
| MASP (Gas/Mud) (psi)                          | Max BHP-(0.22*Setting Depth)=                      | 248    | YES OK  |
|   |  |        | *Can Full Expected Pressure Be Held At Previous Shoe?   |
| Pressure At Previous Shoe                     | Max BHP-.22*(Setting Depth - Previous Shoe Depth)= | 248    | NO OK   |
| Required Casing/BOPE Test Pressure=           |  | 1000   | psi   |
| *Max Pressure Allowed @ Previous Casing Shoe= |  | 0      | psi *Assumes 1psi/ft frac gradient                      |

|   |  |       |   |
|---|--|-------|---|
| Calculations                                  | Surf String  | 9.625 | "   |
| Max BHP (psi)                                 | .052*Setting Depth*MW=                             | 1872  |   |
|   |  |       | BOPE Adequate For Drilling And Setting Casing at Depth? |
| MASP (Gas) (psi)                              | Max BHP-(0.12*Setting Depth)=                      | 1392  | NO rotating head  |
| MASP (Gas/Mud) (psi)                          | Max BHP-(0.22*Setting Depth)=                      | 992   | YES OK  |
|   |  |       | *Can Full Expected Pressure Be Held At Previous Shoe?   |
| Pressure At Previous Shoe                     | Max BHP-.22*(Setting Depth - Previous Shoe Depth)= | 1212  | NO OK   |
| Required Casing/BOPE Test Pressure=           |  | 2633  | psi   |
| *Max Pressure Allowed @ Previous Casing Shoe= |  | 1000  | psi *Assumes 1psi/ft frac gradient                      |

|   |  |       |   |
|---|--|-------|---|
| Calculations                                  | I1 String  | 7.000 | "   |
| Max BHP (psi)                                 | .052*Setting Depth*MW=                             | 5155  |   |
|   |  |       | BOPE Adequate For Drilling And Setting Casing at Depth? |
| MASP (Gas) (psi)                              | Max BHP-(0.12*Setting Depth)=                      | 4022  | YES   |
| MASP (Gas/Mud) (psi)                          | Max BHP-(0.22*Setting Depth)=                      | 3078  | YES OK  |
|   |  |       | *Can Full Expected Pressure Be Held At Previous Shoe?   |
| Pressure At Previous Shoe                     | Max BHP-.22*(Setting Depth - Previous Shoe Depth)= | 3958  | YES OK  |
| Required Casing/BOPE Test Pressure=           |  | 7854  | psi   |
| *Max Pressure Allowed @ Previous Casing Shoe= |  | 3761  | psi *Assumes 1psi/ft frac gradient                      |

|                                     |  |       |   |
|-------------------------------------|--|-------|---|
| Calculations                        | L1 String  | 4.500 | "   |
| Max BHP (psi)                       | .052*Setting Depth*MW=                             | 8720  |   |
|                                     |  |       | BOPE Adequate For Drilling And Setting Casing at Depth? |
| MASP (Gas) (psi)                    | Max BHP-(0.12*Setting Depth)=                      | 7172  | YES   |
| MASP (Gas/Mud) (psi)                | Max BHP-(0.22*Setting Depth)=                      | 5882  | YES OK  |
|                                     |  |       | *Can Full Expected Pressure Be Held At Previous Shoe?   |
| Pressure At Previous Shoe           | Max BHP-.22*(Setting Depth - Previous Shoe Depth)= | 7959  | YES OK  |
| Required Casing/BOPE Test Pressure= |  | 8687  | psi   |



\*Max Pressure Allowed @ Previous Casing Shoe=

9441

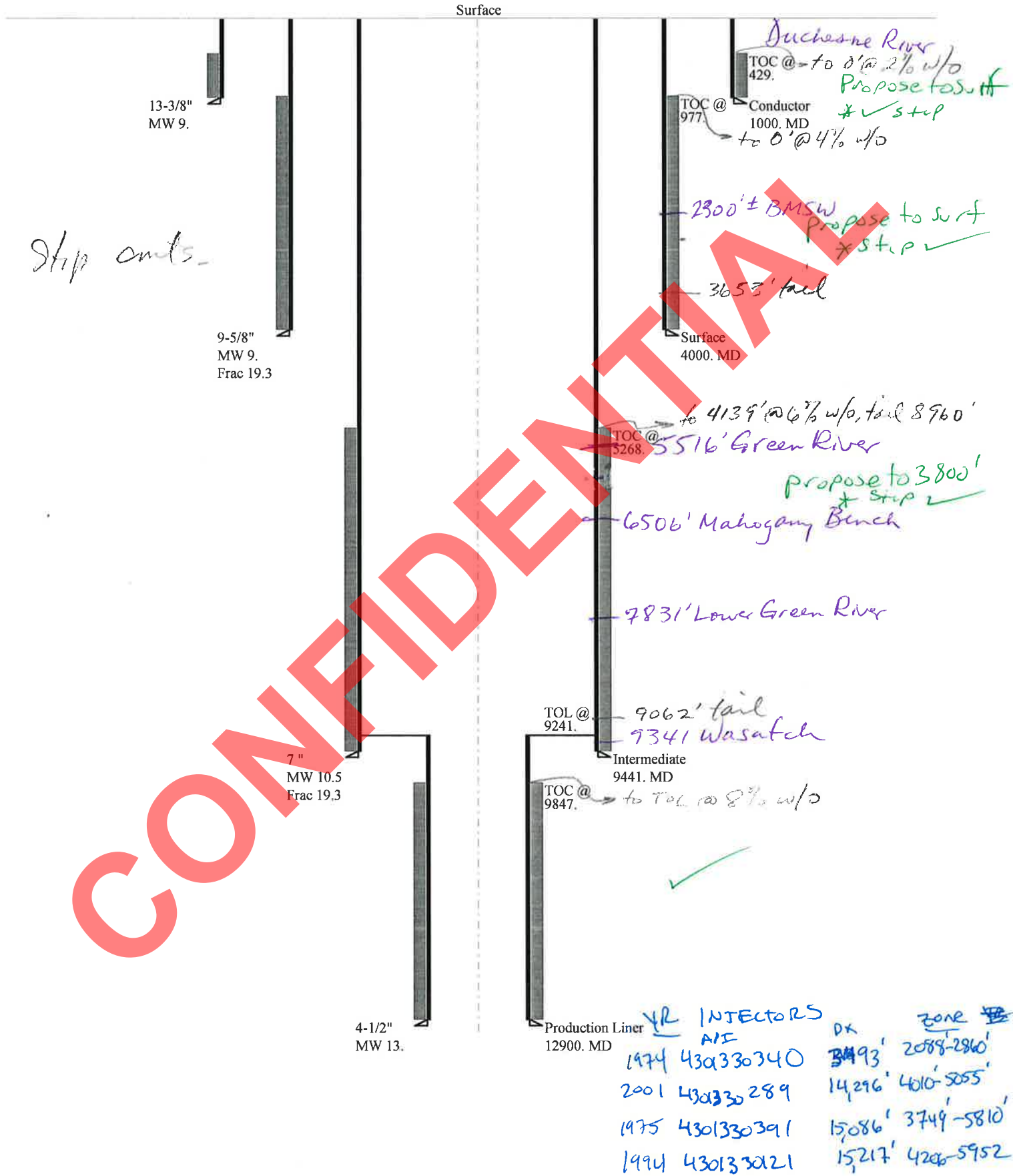
psi \*Assumes 1psi/ft frac gradient

CONFIDENTIAL



# 43013505710000 Potter 4-27B5

## Casing Schematic





|  |                                 |
|--|---------------------------------|
| Well name: <b>43013505710000 Potter 4-27B5</b> |                                 |
| Operator: <b>EL PASO E&amp;P COMPANY, LP</b>   | Project ID: <b>43-013-50571</b> |
| String type: <b>Conductor</b>                  |                                 |
| Location: <b>DUCHESNE COUNTY</b>               |                                 |

**Design parameters:****Collapse**

Mud weight: 9.000 ppg  
Design is based on evacuated pipe.

**Minimum design factors:****Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
Surface temperature: 74 °F  
Bottom hole temperature: 88 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 100 ft

Cement top: 429 ft

**Burst**

Max anticipated surface pressure: 347 psi  
Internal gradient: 0.120 psi/ft  
Calculated BHP 467 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.70 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.50 (B)

Tension is based on air weight.  
Neutral point: 867 ft

**Non-directional string.**

| Run Seq | Segment Length (ft) | Size (in)               | Nominal Weight (lbs/ft) | Grade            | End Finish           | True Vert Depth (ft) | Measured Depth (ft) | Drift Diameter (in)     | Est. Cost (\$)        |
|---------|---------------------|-------------------------|-------------------------|------------------|----------------------|----------------------|---------------------|-------------------------|-----------------------|
| 1       | 1000                | 13.375                  | 54.50                   | J-55             | ST&C                 | 1000                 | 1000                | 12.49                   | 12407                 |
| Run Seq | Collapse Load (psi) | Collapse Strength (psi) | Collapse Design Factor  | Burst Load (psi) | Burst Strength (psi) | Burst Design Factor  | Tension Load (kips) | Tension Strength (kips) | Tension Design Factor |
| 1       | 467                 | 1130                    | 2.417                   | 467              | 2730                 | 5.84                 | 54.5                | 514                     | 9.43 J                |

Prepared by: Helen Sadik-Macdonald  
Div of Oil, Gas & Mining

Phone: 801 538-5357  
FAX: 801-359-3940

Date: February 15, 2011  
Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 1000 ft, a mud weight of 9 ppg. The casing is considered to be evacuated for collapse purposes.  
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

**RECEIVED: Apr. 25, 2011**



|              |                                     |                             |
|--------------|-------------------------------------|-----------------------------|
| Well name:   | <b>43013505710000 Potter 4-27B5</b> |                             |
| Operator:    | <b>EL PASO E&amp;P COMPANY, LP</b>  |                             |
| String type: | Surface                             | Project ID:<br>43-013-50571 |
| Location:    | DUCHESNE COUNTY                     |                             |

**Design parameters:****Collapse**

Mud weight: 9.000 ppg  
Design is based on evacuated pipe.

**Minimum design factors:****Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
Surface temperature: 74 °F  
Bottom hole temperature: 130 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 100 ft

Cement top: 977 ft

**Burst**

Max anticipated surface pressure: 3,281 psi  
Internal gradient: 0.120 psi/ft  
Calculated BHP 3,761 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.70 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.50 (B)

Tension is based on air weight.

Neutral point: 3,464 ft

**Non-directional string.****Re subsequent strings:**

Next setting depth: 9,441 ft  
Next mud weight: 9.000 ppg  
Next setting BHP: 4,414 psi  
Fracture mud wt: 19.250 ppg  
Fracture depth: 4,000 ft  
Injection pressure: 4,000 psi

| Run Seq | Segment Length (ft) | Size (in)               | Nominal Weight (lbs/ft) | Grade            | End Finish           | True Vert Depth (ft) | Measured Depth (ft) | Drift Diameter (in)     | Est. Cost (\$)        |
|---------|---------------------|-------------------------|-------------------------|------------------|----------------------|----------------------|---------------------|-------------------------|-----------------------|
| 1       | 4000                | 9.625                   | 40.00                   | J-55             | LT&C                 | 4000                 | 4000                | 8.75                    | 36299                 |
| Run Seq | Collapse Load (psi) | Collapse Strength (psi) | Collapse Design Factor  | Burst Load (psi) | Burst Strength (psi) | Burst Design Factor  | Tension Load (kips) | Tension Strength (kips) | Tension Design Factor |
| 1       | 1870                | 2570                    | 1.374                   | 3761             | 3950                 | 1.05                 | 160                 | 520                     | 3.25 J                |

Prepared by: Helen Sadik-Macdonald  
Div of Oil, Gas & Mining

Phone: 801 538-5357  
FAX: 801-359-3940

Date: February 15, 2011  
Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 4000 ft, a mud weight of 9 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

RECEIVED: Apr. 25, 2011



|  |                                 |
|--|---------------------------------|
| Well name: <b>43013505710000 Potter 4-27B5</b> |                                 |
| Operator: <b>EL PASO E&amp;P COMPANY, LP</b>   | Project ID: <b>43-013-50571</b> |
| String type: <b>Intermediate</b>               |                                 |
| Location: <b>DUCHESNE COUNTY</b>               |                                 |

**Design parameters:****Collapse**

Mud weight: 10.500 ppg  
Design is based on evacuated pipe.

**Minimum design factors:****Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
Surface temperature: 74 °F  
Bottom hole temperature: 206 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 100 ft

Cement top: 5,268 ft

**Burst**

Max anticipated surface pressure: 5,874 psi  
Internal gradient: 0.220 psi/ft  
Calculated BHP 7,951 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.70 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.50 (B)

Tension is based on air weight.  
Neutral point: 7,941 ft

**Non-directional string.****Re subsequent strings:**

Next setting depth: 12,900 ft  
Next mud weight: 13.000 ppg  
Next setting BHP: 8,712 psi  
Fracture mud wt: 19.250 ppg  
Fracture depth: 9,441 ft  
Injection pressure: 9,441 psi

| Run Seq | Segment Length (ft) | Size (in)               | Nominal Weight (lbs/ft) | Grade            | End Finish           | True Vert Depth (ft) | Measured Depth (ft) | Drift Diameter (in)     | Est. Cost (\$)        |
|---------|---------------------|-------------------------|-------------------------|------------------|----------------------|----------------------|---------------------|-------------------------|-----------------------|
| 1       | 9441                | 7                       | 29.00                   | P-110            | LT&C                 | 9441                 | 9441                | 6.059                   | 106613                |
| Run Seq | Collapse Load (psi) | Collapse Strength (psi) | Collapse Design Factor  | Burst Load (psi) | Burst Strength (psi) | Burst Design Factor  | Tension Load (kips) | Tension Strength (kips) | Tension Design Factor |
| 1       | 5150                | 8530                    | 1.656                   | 7951             | 11220                | 1.41                 | 273.8               | 797                     | 2.91 J                |

Prepared by: Helen Sadik-Macdonald  
Div of Oil, Gas & Mining

Phone: 801 538-5357  
FAX: 801-359-3940

Date: February 15, 2011  
Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 9441 ft, a mud weight of 10.5 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

RECEIVED: Apr. 25, 2011



|              |                                     |                             |
|--------------|-------------------------------------|-----------------------------|
| Well name:   | <b>43013505710000 Potter 4-27B5</b> |                             |
| Operator:    | <b>EL PASO E&amp;P COMPANY, LP</b>  |                             |
| String type: | Production Liner                    | Project ID:<br>43-013-50571 |
| Location:    | DUCHESNE COUNTY                     |                             |

**Design parameters:****Collapse**

Mud weight: 13.000 ppg  
Design is based on evacuated pipe.

**Minimum design factors:****Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
Surface temperature: 74 °F  
Bottom hole temperature: 255 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 1,000 ft

Cement top: 9,847 ft

**Burst**

Max anticipated surface pressure: 5,874 psi  
Internal gradient: 0.220 psi/ft  
Calculated BHP 8,712 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.80 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.60 (B)

Tension is based on air weight.  
Neutral point: 12,190 ft

Liner top: 9,241 ft

**Non-directional string.**

| Run Seq | Segment Length (ft) | Size (in)               | Nominal Weight (lbs/ft) | Grade            | End Finish           | True Vert Depth (ft) | Measured Depth (ft) | Drift Diameter (in)     | Est. Cost (\$)        |
|---------|---------------------|-------------------------|-------------------------|------------------|----------------------|----------------------|---------------------|-------------------------|-----------------------|
| 1       | 3700                | 4.5                     | 13.50                   | P-110            | LT&C                 | 12900                | 12900               | 3.795                   | 20731                 |
| Run Seq | Collapse Load (psi) | Collapse Strength (psi) | Collapse Design Factor  | Burst Load (psi) | Burst Strength (psi) | Burst Design Factor  | Tension Load (kips) | Tension Strength (kips) | Tension Design Factor |
| 1       | 8712                | 10680                   | 1.226                   | 8712             | 12410                | 1.42                 | 49.9                | 338                     | 6.77 J                |

Prepared by: Helen Sadik-Macdonald  
Div of Oil, Gas & Mining

Phone: 801-538-5357  
FAX: 801-359-3940

Date: February 15, 2011  
Salt Lake City, Utah

**Remarks:**

For this liner string, the top is rounded to the nearest 100 ft. Collapse is based on a vertical depth of 12900 ft, a mud weight of 13 ppg. The Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

**RECEIVED: Apr. 25, 2011**



# ON-SITE PREDRILL EVALUATION

## Utah Division of Oil, Gas and Mining

**Operator** EL PASO E&P COMPANY, LP  
**Well Name** Potter 4-27B5  
**API Number** 43013505710000 **APD No** 3358 **Field/Unit** ALTAMONT  
**Location: 1/4,1/4** SWNW **Sec** 27 **Tw** 2.0S **Rng** 5.0W 1537 FNL 1061 FWL  
**GPS Coord (UTM)** 547483 4458886 **Surface Owner** See item 10 in Surface use and owner info attachment

### Participants

Teri & Julia Abbott, Guy Taylor (Executors of Estate); Wayne Garner (El Paso); Dennis Ingram (Utah Division of Oil, Gas & Mining)

### Regional/Local Setting & Topography

Proposed wellsite is found by driving north of Duchesne on Highway 87 for 7.5 miles, then turning west on State Road 35 for another 2.83 miles, then north along existing access road for 1.24 miles where new access road will lead west into location. This well is located approximately a quarter mile north of the Duchesne River Drainage, on bench or shelf habitat that leads into farmland to the north and the town of Talmage, which is located less than four miles away. The surface between Talmage and this location is typical of Rock Creek, sandstone ledges that lead into bench country that is PJ and sagebrush. Immediately south, the topography drops three hundred feet into the Duchesne River corridor which runs south and southeast through the town of Duchesne.

### Surface Use Plan

#### **Current Surface Use**

Grazing

#### **New Road Miles**

0.26

#### **Well Pad**

**Width** 275 **Length** 425

#### **Src Const Material**

Onsite

#### **Surface Formation**

UNTA

**Ancillary Facilities** N

**Waste Management Plan Adequate?** Y

### Environmental Parameters

**Affected Floodplains and/or Wetlands** N

#### **Flora / Fauna**

Pinion/juniper habitat, sagebrush, rabbit brush and other plants native to region, snow cover; wintering elk and mule deer, coyote and other animals native to bench habitat along the Duchesne River.

#### **Soil Type and Characteristics**

Reddish blow sand on the surface with underlying clays, sandstone and ledge rock

**Erosion Issues** Y

**Sedimentation Issues** Y

**Site Stability Issues** N



**Drainage Diversion Required? Y****Berm Required? Y****Erosion Sedimentation Control Required? Y**

Berミング to prevent water from causing erosion and or sediment issues.

**Paleo Survey Run? N   Paleo Potential Observed? N   Cultural Survey Run? N   Cultural Resources? N****Reserve Pit****Site-Specific Factors****Site Ranking**

|  |                   |    |
|--|-------------------|----|
| <b>Distance to Groundwater (feet)</b>    | >200              | 0  |
| <b>Distance to Surface Water (feet)</b>  | >1000             | 0  |
| <b>Dist. Nearest Municipal Well (ft)</b> | >5280             | 0  |
| <b>Distance to Other Wells (feet)</b>    | 300 to 1320       | 10 |
| <b>Native Soil Type</b>                  | High permeability | 20 |
| <b>Fluid Type</b>                        | TDS>5000 and      | 10 |
| <b>Drill Cuttings</b>                    | Normal Rock       | 0  |
| <b>Annual Precipitation (inches)</b>     |                   | 0  |
| <b>Affected Populations</b>              |                   |    |
| <b>Presence Nearby Utility Conduits</b>  | Not Present       | 0  |
| <b>Final Score</b>                       |                   | 40 |

1 Sensitivity Level

**Characteristics / Requirements**

Reserve pit located on the north side of location in cut, measuring 110' wide by 150' long and 12' deep, with prevailing winds from the west.

**Closed Loop Mud Required? N   Liner Required? Y   Liner Thickness 16   Pit Underlayment Required? Y****Other Observations / Comments**

Because of deep snow the presite trail into the location was made along a sharp dugway from the west along the Rock Creek Road. El Paso chose to access from the east because improvements for equipment along this road would be pricey. Trailer houses are located both east and west of this location, and the access road into the eastern property cuts through this location. El Paso plans to construct a road south of this location for access into that trailer. This site was moved to the southwest to limit the surface damage to one landowner rather than three. A dry wash cuts through this location from corner number seven and exists through corner number one, a culvert may need installed and the ditch diverted around the location to the east.

Dennis Ingram  
**Evaluator**

1/26/2011  
**Date / Time**



# Application for Permit to Drill

## Statement of Basis

4/26/2011

Utah Division of Oil, Gas and Mining

Page 1

|                  |  |               |                          |  |            |
|------------------|--|---------------|--------------------------|--|------------|
| <b>APD No</b>    | <b>API WellNo</b>  | <b>Status</b> | <b>Well Type</b>         | <b>Surf Owner</b>                                    | <b>CBM</b> |
| 3358             | 43013505710000   | LOCKED        | OW                       | P  | No         |
| <b>Operator</b>  | EL PASO E&P COMPANY, LP  |               | <b>Surface Owner-APD</b> | See item 10 in Surface use and owner info attachment |            |
| <b>Well Name</b> | Potter 4-27B5  |               | <b>Unit</b>              |  |            |
| <b>Field</b>     | ALTAMONT   |               | <b>Type of Work</b>      | DRILL  |            |
| <b>Location</b>  | SWNW 27 2S 5W U 1537 FNL 1061 FWL GPS Coord (UTM) 547529E 4458898N |               |                          |  |            |

### Geologic Statement of Basis

El Paso proposes to set 1,000 feet of conductor and 4,000 feet of surface casing both of which will be cemented to surface. The surface and intermediate holes will be drilled utilizing fresh water mud. The estimated depth to the base of moderately saline ground water is 2,300 feet. A search of Division of Water Rights records indicates that there are over 25 water wells within a 10,000 foot radius of the proposed location. Depth for these wells range from 40 to 600 feet. The shallower wells produce water from alluvial deposits while the deeper wells probably produce water from the Duchesne River Formation and only 2 wells fall in the 600 foot category. The wells are almost evenly split between shallow and deep wells. The wells are listed as being used for irrigation, stock watering,, oil exploration and domestic. Approximately five wells are located within 1/2 mile of the proposed location and produce from depths between 40 and 300 feet. El Paso should consider obtaining a background water analysis on any water wells located adjacent to the proposed well. The proposed drilling, casing and cement program should adequately protect the highly used Duchesne River aquifer.

Brad Hill  
APD Evaluator

2/14/2011  
Date / Time

### Surface Statement of Basis

A presite was scheduled and performed on Wednesday, January 26, 2011 to address issues and take comments regarding the construction of proposed well on this site. According to El Paso's landowner search, the surface was owned by Elton and Arva Potter and their estate referenced three families as Executors of that estate. Therefore, Nolan Potter, Julia Abbott and Janice Taylor were notified and invited to the presite meeting.

The surface slopes to the south, and is basically in an open type field with pinion/juniper trees along the southern portion. A shallow wash perhaps four feet deep is cut across this location from the eastern center at stake number 7, and runs southwesterly leaving the location at stake number 1. This wash will need diverted south along the border of the location and tied back into the existing wash to prevent new erosion. The access road is planned just south of this wash and El Paso will need to install a culvert or low water crossing. El Paso also promised the landowners they would construct a road below the southern boundary of the location for access into a property or trailer located east of the location. At the present time, an existing two-track road cuts through the middle of this location (just south of the center stake) from the west. Erosion controls should be utilized to prevent erosion along the southern portion of this lease. Fencing may also be an issue because of cattle grazing, and the operator should met any agreement made with the landowner on that issue.

The reserve pit is on the north side of lease in cut. The operator shall line that pit as stipulated with a 16 mil synthetic liner and pad if necessary. Underlying sandstone may require blasting, and the operator needs a good, smooth bed before installing the liner. No other issues were noted during presite visit.

Dennis Ingram  
Onsite Evaluator

1/26/2011  
Date / Time



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## Application for Permit to Drill Statement of Basis

4/26/2011

Utah Division of Oil, Gas and Mining

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Page 2

### Conditions of Approval / Application for Permit to Drill

| Category | Condition   |
|----------|---|
| Pits     | A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit. |
| Surface  | Drainages adjacent to the proposed pad shall be diverted around the location.   |
| Surface  | The well site shall be bermed to prevent fluids from leaving the pad.   |

CONFIDENTIAL



## WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 12/29/2010

API NO. ASSIGNED: 43013505710000

WELL NAME: Potter 4-27B5

OPERATOR: EL PASO E&amp;P COMPANY, LP (N3065)

PHONE NUMBER: 303 291-6417

CONTACT: Marie Okeefe

PROPOSED LOCATION: SWNW 27 020S 050W

Permit Tech Review: ☒

SURFACE: 1537 FNL 1061 FWL

Engineering Review: ☒

BOTTOM: 1537 FNL 1061 FWL

Geology Review: ☒

COUNTY: DUCHESNE

LATITUDE: 40.28112

LONGITUDE: -110.44091

UTM SURF EASTINGS: 547529.00

NORTHINGS: 4458898.00

FIELD NAME: ALTAMONT

LEASE TYPE: 4 - Fee

LEASE NUMBER: Fee

PROPOSED PRODUCING FORMATION(S): GREEN RIVER-WASATCH

SURFACE OWNER: 4 - Fee

COALBED METHANE: NO

## RECEIVED AND/OR REVIEWED:

☒ PLAT☒ Bond: STATE/FEE - 400JU0708☐ Potash☐ Oil Shale 190-5☐ Oil Shale 190-3☐ Oil Shale 190-13☒ Water Permit: 43-7295 Duchesne City Water☐ RDCC Review:☒ Fee Surface Agreement☐ Intent to Commingle

Commingle Approved

## LOCATION AND SITING:

☐ R649-2-3.

Unit:

☐ R649-3-2. General☐ R649-3-3. Exception☒ Drilling Unit

Board Cause No: Cause 139-84

Effective Date: 12/31/2008

Siting: 660' Fr Drl U Bdry &amp; 1320' Fr Other Wells

☐ R649-3-11. Directional Drill

Comments: Presite Completed

Stipulations: 5 - Statement of Basis - bhill  
8 - Cement to Surface -- 2 strings - hmacdonald  
11 - Cement Productive Zones - hmacdonald

RECEIVED: Apr. 26, 2011





GARY R. HERBERT  
*Governor*

GREGORY S. BELL  
*Lieutenant Governor*

## State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

### Permit To Drill

\*\*\*\*\*

**Well Name:** Potter 4-27B5  
**API Well Number:** 43013505710000  
**Lease Number:** Fee  
**Surface Owner:** FEE (PRIVATE)  
**Approval Date:** 4/26/2011

**Issued to:**

EL PASO E&P COMPANY, LP, 1099 18th ST, STE 1900 , Denver, CO 80202

**Authority:**

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 139-84. The expected producing formation or pool is the GREEN RIVER-WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

**Duration:**

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

**General:**

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

**Conditions of Approval:**

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Cement volumes for the 13 3/8" and 9 5/8" casing strings shall be determined from actual hole diameters in order to place cement from the pipe setting depths back to the surface.

Production casing shall be cemented 100' minimum above producing formations encountered while drilling and 100' minimum above any zones tested.

**Additional Approvals:**

The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan – contact Dustin Doucet
- Significant plug back of the well – contact Dustin Doucet
- Plug and abandonment of the well – contact Dustin Doucet

**Notification Requirements:**



The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well – contact Carol Daniels  
OR  
submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at <http://oilgas.ogm.utah.gov>
- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing – contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program – contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well – contact Dan Jarvis

**Contact Information:**

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office  
801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office  
801-231-8956 - after office hours

**Reporting Requirements:**

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) – due within 5 days of spudding the well
- Monthly Status Report (Form 9) – due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) – due prior to implementation
- Written Notice of Emergency Changes (Form 9) – due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) – due prior to implementation
- Report of Water Encountered (Form 7) – due within 30 days after completion
- Well Completion Report (Form 8) – due within 30 days after completion or plugging

**Approved By:**



For John Rogers  
Associate Director, Oil & Gas



|  |   |  |
|--|---|--|
| <b>STATE OF UTAH</b><br>DEPARTMENT OF NATURAL RESOURCES<br>DIVISION OF OIL, GAS, AND MINING  |   | FORM 9   |
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br><br>Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. |   | 5. LEASE DESIGNATION AND SERIAL NUMBER:<br>Fee |
|  |   | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME:          |
|  |   | 7. UNIT or CA AGREEMENT NAME:                  |
| 1. TYPE OF WELL<br>Oil Well  | 8. WELL NAME and NUMBER:<br>POTTER 4-27B5 |  |
| 2. NAME OF OPERATOR:<br>EL PASO E&P COMPANY, LP  | 9. API NUMBER:<br>43013505710000          |  |
| 3. ADDRESS OF OPERATOR:<br>1001 Louisiana St. , Houston, TX, 77002   | PHONE NUMBER:<br>713 420-5038 Ext         | 9. FIELD and POOL or WILDCAT:<br>ALTAMONT      |
| 4. LOCATION OF WELL<br>FOOTAGES AT SURFACE:<br>1537 FNL 1061 FWL<br>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:<br>Qtr/Qtr: SWNW Section: 27 Township: 02.0S Range: 05.0W Meridian: U   |   | COUNTY:<br>DUCHESNE                            |
|  |   | STATE:<br>UTAH                                 |

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION  | TYPE OF ACTION  |  |   |
|---|---|--|---|
| <input checked="" type="checkbox"/> NOTICE OF INTENT<br>Approximate date work will start:<br><b>1/4/2012</b><br><br><input type="checkbox"/> SUBSEQUENT REPORT<br>Date of Work Completion:<br><br><input type="checkbox"/> SPUD REPORT<br>Date of Spud:<br><br><input type="checkbox"/> DRILLING REPORT<br>Report Date: | <input type="checkbox"/> ACIDIZE<br><br><input type="checkbox"/> CHANGE TO PREVIOUS PLANS<br><br><input type="checkbox"/> CHANGE WELL STATUS<br><br><input type="checkbox"/> DEEPEN<br><br><input type="checkbox"/> OPERATOR CHANGE<br><br><input type="checkbox"/> PRODUCTION START OR RESUME<br><br><input type="checkbox"/> REPERFORATE CURRENT FORMATION<br><br><input type="checkbox"/> TUBING REPAIR<br><br><input type="checkbox"/> WATER SHUTOFF<br><br><input type="checkbox"/> WILDCAT WELL DETERMINATION | <input checked="" type="checkbox"/> ALTER CASING<br><br><input type="checkbox"/> CHANGE TUBING<br><br><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS<br><br><input type="checkbox"/> FRACTURE TREAT<br><br><input type="checkbox"/> PLUG AND ABANDON<br><br><input type="checkbox"/> RECLAMATION OF WELL SITE<br><br><input type="checkbox"/> SIDETRACK TO REPAIR WELL<br><br><input type="checkbox"/> VENT OR FLARE<br><br><input type="checkbox"/> SI TA STATUS EXTENSION<br><br><input type="checkbox"/> OTHER | <input type="checkbox"/> CASING REPAIR<br><br><input type="checkbox"/> CHANGE WELL NAME<br><br><input type="checkbox"/> CONVERT WELL TYPE<br><br><input type="checkbox"/> NEW CONSTRUCTION<br><br><input type="checkbox"/> PLUG BACK<br><br><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION<br><br><input type="checkbox"/> TEMPORARY ABANDON<br><br><input type="checkbox"/> WATER DISPOSAL<br><br><input type="checkbox"/> APD EXTENSION<br><br>OTHER: <input style="width: 100px;" type="text"/> |

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Changing surface casing depth from 4000' to 5267' and grade from J-55 LT&C to N-80 LTC. Changed intermediate casing depth from 9441' to 9900' and TD from 12900' to 13400'. Also changes in MW, cement info, BOP info updated to match new APD info, etc.

**Approved by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
 January 19, 2012

Date: \_\_\_\_\_

By: \_\_\_\_\_

|                                       |                              |                                       |
|---------------------------------------|------------------------------|---------------------------------------|
| NAME (PLEASE PRINT)<br>Maria S. Gomez | PHONE NUMBER<br>713 420-5038 | TITLE<br>Principle Regulatory Analyst |
| SIGNATURE<br>N/A                      |                              | DATE<br>1/3/2012                      |



**Potter 4-27B5**  
**SW NW Sec. 27, T2S, R5W**  
**DUCHESNE COUNTY, UT**  
 Revised 12/12/11

**EL PASO E&P COMPANY, L.P.**

**DRILLING PROGRAM**

1. **Estimated Tops of Important Geologic Markers**

| <u>Formation</u> | <u>Depth</u> |
|------------------|--------------|
| Green River      | 5,977'       |
| Mahogany Bench   | 6,967'       |
| L. Green River   | 8,292'       |
| Wasatch          | 9,802'       |
| TD               | 13,400'      |

2. **Estimated Depths of Anticipated Water, Oil, Gas or Mineral Formations:**

| <u>Substance</u> | <u>Formation</u> | <u>Depth</u> |
|------------------|------------------|--------------|
|                  | Green River      | 5,977'       |
|                  | Mahogany Bench   | 6,967'       |
| Oil              | L. Green River   | 8,292'       |
| Oil              | Wasatch          | 9,802'       |

3. **Pressure Control Equipment:** (Schematic Attached)

A 5.0" by 20.0" rotating head on structural pipe from surface to 1000'. A 5.0" by 13 3/8" Rotating Head from 1000' to 5,267' on conductor. A 5M BOP stack, 5M kill lines and choke manifold used from 5,267' to 9,900'. An 11.0", 10M BOE w/rotating head, 5M annular, blind rams & mud cross from 9,900' to 13,400'. The BOPE and related equipment will meet the requirements of the 5M and 10M systems respectively.

**OPERATORS MINIMUM SPECIFIC FOR BOPE:**

The surface casing will be equipped with a flanged casing head of 5M PSI working pressure. We will NU an 13 5/8" 5M BOP, 5M Annular. This equipment will be nipped up on the surface casing and tested to 250 psi low test/5M psi high test prior to drilling out. The surface casing will be tested to 1500 psi. Intermediate casing will be tested to the greater of 1500 psi or .22 psi/ft. The choke manifold equipment, upper Kelly cock, floor safety valves will be tested to 5M psi. The annular preventor will be tested to 250 psi low test and 2500 psi high test or 50% of rated working pressure. A 10M BOP installed with 5M annular with 3 1/2" rams, blind rams, mud cross and rotating head from 9,788' to TD. The BOPE will be hydraulically operated.



In addition, the BOP equipment will be tested after running intermediate casing, after any repairs to the equipment and at least once every 30 days. Pipe and blind rams will be activated on each trip, annular preventor will be activated weekly and weekly BOP drills will be held with each crew.

**Statement on Accumulator System and Location of Hydraulic Controls:**

Precision Rig #404 will be used at the proposed location. Operations will commence after approval of this application. Manual and/or hydraulic controls will be in compliance for 5M and 10M psi systems.

**Auxiliary Equipment:**

- A) Mud logger with gas monitor – 5,267' to TD
- B) Choke manifold with one manual and one hydraulic operated choke
- C) Full opening floor valve with drill pipe thread
- D) Upper and lower Kelly cock
- E) Shakers

**4. Proposed Casing & Cementing Program:**

Please refer to the attached wellbore diagram and drilling program

All casing will meet or exceed the following design factors

Burst = 1.00

Collapse = 1.125

Tension = 1.2 (including 100k overpull)

Cement design calculations will be based on 10% excess over gauge hole volumes. Actual volumes pumped will be a minimum of 10% excess over caliper volume to designed tops of cement for any section logged. 50% excess over gauge volume will be pumped on surface casing.

**5. Drilling Fluids Program:**

Proposed Mud Program:

| Interval     | Type | Mud Weight |
|--------------|------|------------|
| Surface      | WBM  | 8.4 – 9.0  |
| Intermediate | WBM  | 9.0 – 10   |
| Production   | WBM  | 10 – 12.5  |

Anticipated mud weights are based on actual offset well mud weights with safety margin. Mud weights utilized may be somewhat higher to allow for trip margin and to provide hole stability for running logs and casing.

Visual mud monitoring equipment will be utilized.



6. **Evaluation Program:**

Logs:

Mud Log: 5,267' - TD.

Open Hole Logs: Gamma Ray, Neutron-Density, Resistivity, Sonic, from base of surface casing to TD.

7. **Abnormal Conditions:**

Maximum anticipated bottom hole pressure calculated at 13,400' TD equals 9,058 psi. This is calculated based on a 0.676 psi/foot gradient (13 ppg mud density at TD).

Maximum anticipated surface pressure based on bottom hole pressure equals approximately 6,110 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/ft).

Maximum anticipated surface pressure based on frac gradient at 7" casing shoe is 0.8 psi/ft at 9,900' = 5,742 psi

BOPE and casing design is based on the lesser of the two MASPs which is frac at shoe 5,742 psi.

8. **OPERATOR REQUESTS THAT THE PROPOSED WELL BE PLACED ON CONFIDENTIAL STATUS.**



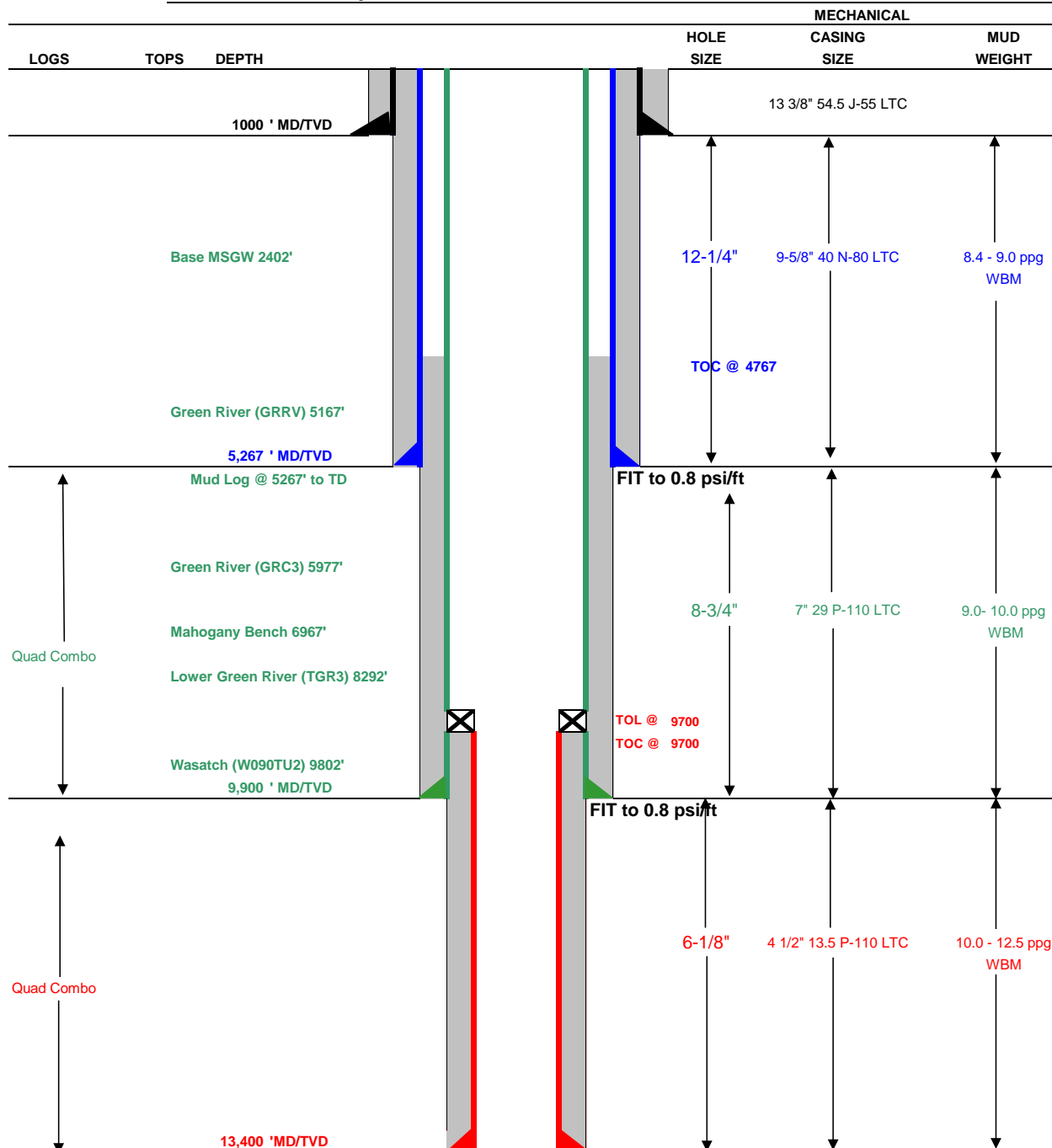
WBD int

Page 1/2



### Drilling Schematic

|   |                                   |
|---|-----------------------------------|
| <b>Company Name:</b> El Paso Exploration & Production   | <b>Date:</b> December 12, 2011    |
| <b>Well Name:</b> Potter 4-27B5   | <b>TD:</b> 13,400                 |
| <b>Field, County, State:</b> Altamont - Bluebell, Duchesne, Utah  | <b>AFE #:</b> 147843              |
| <b>Surface Location:</b> Sec 27 T2S R5W 1537' FNL 1061' FWL   | <b>BHL:</b> Straight Hole         |
| <b>Objective Zone(s):</b> Green River, Wasatch  | <b>Elevation:</b> 5,574'          |
| <b>Rig:</b> Precision 404   | <b>Spud (est.):</b> April 1, 2012 |
| <b>BOPE Info:</b> 5.0 x 13 3/8 rotating head from 1000 to 5267 11 5M BOP stack and 5M kill lines and choke manifold used from 5267 to 9900 & 11 10M BOE w/rotating head, 5M annular, 3.5 rams, blind rams & mud cross from 9900 to TD |                                   |



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Page 2/2

**DRILLING PROGRAM****CASING PROGRAM**

|                  | SIZE    | INTERVAL   | WT.   | GR.   | CPLG. | BURST  | COLLAPSE | TENSION |
|------------------|---------|------------|-------|-------|-------|--------|----------|---------|
| CONDUCTOR        | 13 3/8" | 0 1000     | 54.5  | J-55  | LTC   | 2,730  | 1,130    | 853     |
| SURFACE          | 9-5/8"  | 0 5267     | 40.00 | N-80  | LTC   | 5,750  | 3,090    | 916     |
| INTERMEDIATE     | 7"      | 0 9900     | 29.00 | P-110 | LTC   | 11,220 | 8,530    | 929     |
| PRODUCTION LINER | 4 1/2"  | 9700 13400 | 13.50 | P-110 | LTC   | 12,410 | 10,680   | 422     |

| CEMENT PROGRAM   |      | FT. OF FILL | DESCRIPTION   | SACKS | EXCESS | WEIGHT   | YIELD |
|------------------|------|-------------|---|-------|--------|----------|-------|
| CONDUCTOR        |      | 1000        | Class G + 3% CACL2  | 1238  | 100%   | 15.8 ppg | 1.15  |
| SURFACE          | Lead | 4,267       | Halco-light premium+3 lbm/sk Silicate+0.8% Econolite+2% Salt+2 lbm/sk Kol-Seal+0.25 lb/sk Kwik Seal   | 924   | 50%    | 12.0 ppg | 2.17  |
|                  | Tail | 1,000       | Halco-light premium+3 lb/sk Silicate+0.3% Econolite+1% Salt+0.25 lbm/sk Kol-Seal+0.24 lb/sk Kwik Seal+ HR-5                                       | 425   | 75%    | 14.2 ppg | 1.33  |
| INTERMEDIATE     | Lead | 4,133       | Halco-Light-Premium+4% Bentonite+0.4% Econolite+0.2% Halad322+3 lb/sk Silicalite Compacted+0.8% HR-5+ 0.125 lb/sk Poly-E-Flake                    | 296   | 10%    | 12.0 ppg | 2.31  |
|                  | Tail | 1,000       | Halco-Light-Premium+0.2% Econolite+0.3% Versaset+0.2% Halad322+0.8% HR-5+ 0.3% SuperCBL+ 0.125 lb/sk Poly-E-Flake                                 | 122   | 10%    | 12.5 ppg | 1.91  |
| PRODUCTION LINER |      | 3,700       | Halco- 50/50 Poz Premium Cement+20% SSA-1+0.3% Super CBL+ 0.3% Halad-344+0.3% Halad-413+ 0.2% SCR-100+ 0.125 lb/sk Poly-E-Flake + 3 lb/sk Silicat | 303   | 25%    | 14.3 ppg | 1.45  |

**FLOAT EQUIPMENT & CENTRALIZERS**

|              |  |
|--------------|--|
| CONDUCTOR    | PDC drillable guide shoe, 1 joint, PDC drillable float collar. Thread lock all float equipment. Install bow spring centralizers on the bottom 3 joints of casing.  |
| SURFACE      | PDC drillable guide shoe, 1 joint casing, PDC drillable float collar & Stage collar. Thread lock all float equipment. Install bow spring centralizers on the bottom 3 joints of casing & every 3rd joint thereafter. |
| INTERMEDIATE | PDC drillable 10M,P-110 float shoe, 1 joint, PDC drillable 10M, P-110 float collar. Thread lock all float equipment.   |
| LINER        | Float shoe, 1 joint, float collar. Rigid centralizer every other joint. Thread lock all FE. Maker joints every 1000'.  |

PROJECT ENGINEER(S): Brent Baker 713-420-3323

MANAGER: Scott Palmer

RECEIVED: Jan. 03, 2012



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 6

**ENTITY ACTION FORM**

Operator: El Paso E&P Company, L.P. Operator Account Number: N 3065  
Address: 1001 Louisiana, Rm 2730D  
city Houston  
state TX zip 77365 Phone Number: (713) 420-5038

**Well 1**

| API Number  | Well Name             |                   | QQ        | Sec | Twp                              | Rng | County   |
|---|-----------------------|-------------------|-----------|-----|----------------------------------|-----|----------|
| 4301350571  | Potter 4-27B5         |                   | SWNW      | 27  | 2S                               | 5W  | Duchesne |
| Action Code   | Current Entity Number | New Entity Number | Spud Date |     | Entity Assignment Effective Date |     |          |
| A   | 99999                 | 18411             | 2/2/2012  |     | 2/3/12                           |     |          |
| Comments: GR-WS<br><div style="text-align: center; font-weight: bold; font-size: 1.2em;">CONFIDENTIAL</div> |                       |                   |           |     |                                  |     |          |

**Well 2**

| API Number  | Well Name             |                   | QQ        | Sec | Twp                              | Rng | County |
|-------------|-----------------------|-------------------|-----------|-----|----------------------------------|-----|--------|
|             |                       |                   |           |     |                                  |     |        |
| Action Code | Current Entity Number | New Entity Number | Spud Date |     | Entity Assignment Effective Date |     |        |
|             |                       |                   |           |     |                                  |     |        |
| Comments:   |                       |                   |           |     |                                  |     |        |

**Well 3**

| API Number  | Well Name             |                   | QQ        | Sec | Twp                              | Rng | County |
|-------------|-----------------------|-------------------|-----------|-----|----------------------------------|-----|--------|
|             |                       |                   |           |     |                                  |     |        |
| Action Code | Current Entity Number | New Entity Number | Spud Date |     | Entity Assignment Effective Date |     |        |
|             |                       |                   |           |     |                                  |     |        |
| Comments:   |                       |                   |           |     |                                  |     |        |

**ACTION CODES:**

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

Maria S. Gomez

Name (Please Print)

*Maria S. Gomez*

Signature

Principle Regulatory Analyst

2/2/2012

Title

Date

RECEIVED

FEB 02 2012

DIV. OF OIL, GAS & MINING



CONFIDENTIAL

**DIVISION OF OIL, GAS AND MINING**

**SPUDDING INFORMATION**

Name of Company; EL PASO E&P COMPANY, LP

Well Name: POTTER 4-27B5

Api No: 43-013-50571 Lease Type FEE

Section 27 Township 02S Range 05W County DUCHESNE

Drilling Contractor PETE MARTIN DRILLING RIG # BUCKET

**SPUDDED:**

Date 02/02/2012

Time

How DRY

**Drilling will  
Commence:**

Reported by WAYNE GARNER

Telephone # (435) 454-4236

Date 02/02 /2012 Signed CHD



|  |   |  |
|--|---|--|
| <b>STATE OF UTAH</b><br>DEPARTMENT OF NATURAL RESOURCES<br>DIVISION OF OIL, GAS, AND MINING  |   | FORM 9   |
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br><br>Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. |   | 5. LEASE DESIGNATION AND SERIAL NUMBER:<br>Fee |
|  |   | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME:          |
|  |   | 7. UNIT or CA AGREEMENT NAME:                  |
| 1. TYPE OF WELL<br>Oil Well  | 8. WELL NAME and NUMBER:<br>POTTER 4-27B5 |  |
| 2. NAME OF OPERATOR:<br>EL PASO E&P COMPANY, LP  | 9. API NUMBER:<br>43013505710000          |  |
| 3. ADDRESS OF OPERATOR:<br>1001 Louisiana St. , Houston, TX, 77002   | PHONE NUMBER:<br>713 420-5038 Ext         | 9. FIELD and POOL or WILDCAT:<br>ALTAMONT      |
| 4. LOCATION OF WELL<br>FOOTAGES AT SURFACE:<br>1537 FNL 1061 FWL<br>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:<br>Qtr/Qtr: SWNW Section: 27 Township: 02.0S Range: 05.0W Meridian: U   |   | COUNTY:<br>DUCHESNE                            |
|  |   | STATE:<br>UTAH                                 |

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION  | TYPE OF ACTION   |   |   |  |
|---|--|---|---|--|
| <input type="checkbox"/> NOTICE OF INTENT<br>Approximate date work will start:  | <input type="checkbox"/> ACIDIZE                       | <input type="checkbox"/> ALTER CASING                   | <input type="checkbox"/> CASING REPAIR                  |  |
| <input type="checkbox"/> SUBSEQUENT REPORT<br>Date of Work Completion:          | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS      | <input type="checkbox"/> CHANGE TUBING                  | <input type="checkbox"/> CHANGE WELL NAME               |  |
| <input type="checkbox"/> SPUD REPORT<br>Date of Spud:                           | <input type="checkbox"/> CHANGE WELL STATUS            | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input type="checkbox"/> CONVERT WELL TYPE              |  |
| <input checked="" type="checkbox"/> DRILLING REPORT<br>Report Date:<br>3/5/2012 | <input type="checkbox"/> DEEPEN                        | <input type="checkbox"/> FRACTURE TREAT                 | <input type="checkbox"/> NEW CONSTRUCTION               |  |
|   | <input type="checkbox"/> OPERATOR CHANGE               | <input type="checkbox"/> PLUG AND ABANDON               | <input type="checkbox"/> PLUG BACK                      |  |
|   | <input type="checkbox"/> PRODUCTION START OR RESUME    | <input type="checkbox"/> RECLAMATION OF WELL SITE       | <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION |  |
|   | <input type="checkbox"/> REPERFORATE CURRENT FORMATION | <input type="checkbox"/> SIDETRACK TO REPAIR WELL       | <input type="checkbox"/> TEMPORARY ABANDON              |  |
|   | <input type="checkbox"/> TUBING REPAIR                 | <input type="checkbox"/> VENT OR FLARE                  | <input type="checkbox"/> WATER DISPOSAL                 |  |
|   | <input type="checkbox"/> WATER SHUTOFF                 | <input type="checkbox"/> SI TA STATUS EXTENSION         | <input type="checkbox"/> APD EXTENSION                  |  |
|   | <input type="checkbox"/> WILDCAT WELL DETERMINATION    | <input type="checkbox"/> OTHER                          | OTHER: <input style="width: 100px;" type="text"/>       |  |

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Spudded well and suspended ops.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 March 06, 2012

|                                       |                              |                                       |
|---------------------------------------|------------------------------|---------------------------------------|
| NAME (PLEASE PRINT)<br>Maria S. Gomez | PHONE NUMBER<br>713 420-5038 | TITLE<br>Principle Regulatory Analyst |
| SIGNATURE<br>N/A                      |                              | DATE<br>3/5/2012                      |



## 1 General

### 1.1 Customer Information

|                |            |
|----------------|------------|
| Company        | WESTERN US |
| Representative |            |
| Address        |            |

### 1.2 Well Information

|                     |                                      |          |               |
|---------------------|--------------------------------------|----------|---------------|
| Well                | POTTER 4-27B5                        |          |               |
| Project             | ALTAMONT FIELD                       | Site     | POTTER 4-27B5 |
| Rig Name/No.        | PRECISION DRILLING/404               | Event    | DRILLING LAND |
| Start Date          |                                      | End Date |               |
| Spud Date           |                                      | UWI      | POTTER 4-27B5 |
| Active Datum        | KB @5,591.0ft (above Mean Sea Level) |          |               |
| Afe No./Description | 147843/44542 /                       |          |               |

## 2 Summary

### 2.1 Operation Summary

| Date      | Time Start-End | Duration (hr) | Phase   | Activity | Sub | OP Code | MD From (ft) | Operation  |
|-----------|----------------|---------------|---------|----------|-----|---------|--------------|--|
| 2/14/2012 | 6:00 6:00      | 24.00         | DRLSURF | 07       |     | P       | 40.0         | MOVE IN RIG UP - DRILL 40' - 1030' - TOH L/D DRILL STRING, RAN 23 JTS 13 3/8" 54.5# J-55 STC - SHOE AT 1,000' GL - RIG DOWN MOVE OUT RIG - CEMENTED WITH 1125 SK'S CLASS G, @ 15.8 PPG, 1.15 YIELD, 5 GALS / SK WATER, 2% CACL2 - DROP PLUG, DISPLACED W/ 147.5 BBLS WATER - BUMPED PLUG AT 21:37 HRS 02/14/12 - HAD 67.5 BBLS OF CMT TO SURFACE, NO FALL BACK - FLOATS HELD - CIP AT 21:37 HRS 01/14/12 |



|  |   |  |
|--|---|--|
| <b>STATE OF UTAH</b><br>DEPARTMENT OF NATURAL RESOURCES<br>DIVISION OF OIL, GAS, AND MINING  |   | FORM 9   |
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br><br>Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. |   | 5. LEASE DESIGNATION AND SERIAL NUMBER:<br>Fee |
|  |   | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME:          |
|  |   | 7. UNIT or CA AGREEMENT NAME:                  |
| 1. TYPE OF WELL<br>Oil Well  | 8. WELL NAME and NUMBER:<br>POTTER 4-27B5 |  |
| 2. NAME OF OPERATOR:<br>EL PASO E&P COMPANY, LP  | 9. API NUMBER:<br>43013505710000          |  |
| 3. ADDRESS OF OPERATOR:<br>1001 Louisiana St. , Houston, TX, 77002   | PHONE NUMBER:<br>713 420-5038 Ext         | 9. FIELD and POOL or WILDCAT:<br>ALTAMONT      |
| 4. LOCATION OF WELL<br>FOOTAGES AT SURFACE:<br>1537 FNL 1061 FWL<br>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:<br>Qtr/Qtr: SWNW Section: 27 Township: 02.0S Range: 05.0W Meridian: U   |   | COUNTY:<br>DUCHESNE                            |
|  |   | STATE:<br>UTAH                                 |

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION  | TYPE OF ACTION  |   |   |
|---|---|---|---|
| <input type="checkbox"/> NOTICE OF INTENT<br>Approximate date work will start:  | <input type="checkbox"/> ACIDIZE<br><br><input type="checkbox"/> CHANGE TO PREVIOUS PLANS<br><br><input type="checkbox"/> CHANGE WELL STATUS<br><br><input type="checkbox"/> DEEPEN<br><br><input type="checkbox"/> OPERATOR CHANGE<br><br><input type="checkbox"/> PRODUCTION START OR RESUME<br><br><input type="checkbox"/> REPERFORATE CURRENT FORMATION<br><br><input type="checkbox"/> TUBING REPAIR<br><br><input type="checkbox"/> WATER SHUTOFF<br><br><input type="checkbox"/> WILDCAT WELL DETERMINATION | <input type="checkbox"/> ALTER CASING<br><br><input type="checkbox"/> CHANGE TUBING<br><br><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS<br><br><input type="checkbox"/> FRACTURE TREAT<br><br><input type="checkbox"/> PLUG AND ABANDON<br><br><input type="checkbox"/> RECLAMATION OF WELL SITE<br><br><input type="checkbox"/> SIDETRACK TO REPAIR WELL<br><br><input type="checkbox"/> VENT OR FLARE<br><br><input type="checkbox"/> SI TA STATUS EXTENSION<br><br><input type="checkbox"/> OTHER | <input type="checkbox"/> CASING REPAIR<br><br><input type="checkbox"/> CHANGE WELL NAME<br><br><input type="checkbox"/> CONVERT WELL TYPE<br><br><input type="checkbox"/> NEW CONSTRUCTION<br><br><input type="checkbox"/> PLUG BACK<br><br><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION<br><br><input type="checkbox"/> TEMPORARY ABANDON<br><br><input type="checkbox"/> WATER DISPOSAL<br><br><input type="checkbox"/> APD EXTENSION<br><br>OTHER: <input style="width: 100px;" type="text"/> |
| <input type="checkbox"/> SUBSEQUENT REPORT<br>Date of Work Completion:          |   |   |   |
| <input type="checkbox"/> SPUD REPORT<br>Date of Spud:                           |   |   |   |
| <input checked="" type="checkbox"/> DRILLING REPORT<br>Report Date:<br>4/9/2012 |   |   |   |

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Please see attached for details.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 April 13, 2012

|                                       |                              |                                       |
|---------------------------------------|------------------------------|---------------------------------------|
| NAME (PLEASE PRINT)<br>Maria S. Gomez | PHONE NUMBER<br>713 420-5038 | TITLE<br>Principle Regulatory Analyst |
| SIGNATURE<br>N/A                      |                              | DATE<br>4/9/2012                      |



## 1 General

### 1.1 Customer Information

|                |         |
|----------------|---------|
| Company        | WESTERN |
| Representative |         |
| Address        |         |

### 1.2 Well Information

|                     |                                      |          |               |
|---------------------|--------------------------------------|----------|---------------|
| Well                | POTTER 4-27B5                        |          |               |
| Project             | ALTAMONT FIELD                       | Site     | POTTER 4-27B5 |
| Rig Name/No.        | PRECISION DRILLING/404               | Event    | DRILLING LAND |
| Start Date          | 3/8/2012                             | End Date |               |
| Spud Date           | 3/9/2012                             | UWI      | POTTER 4-27B5 |
| Active Datum        | KB @5,591.0ft (above Mean Sea Level) |          |               |
| Afe No./Description | 147843/44542 / POTTER 4-27B5         |          |               |

## 2 Summary

### 2.1 Operation Summary

| Date      | Time Start-End |       | Duration (hr) | Phase   | Activity | Sub | OP Code | MD From (ft) | Operation  |
|-----------|----------------|-------|---------------|---------|----------|-----|---------|--------------|--|
| 2/2/2012  | 6:00           | 6:00  | 24.00         | DPDCOND | 07       |     | P       | 0.0          | DRILL & SET 40' X 20" CONDUCTOR.   |
| 2/14/2012 | 6:00           | 6:00  | 24.00         | DPDCOND | 07       |     | P       | 40.0         | MOVE IN RIG UP - DRILL 40' - 1030' - TOH L/D DRILL STRING, RAN 23 JTS 13 3/8" 54.5# J-55 STC - SHOE AT 1,000' GL - RIG DOWN MOVE OUT RIG - CEMENTED WITH 1125 SK'S CLASS G, @ 15.8 PPG, 1.15 YIELD, 5 GALS / SK WATER, 2% CACL2 - DROP PLUG, DISPLACED W/ 147.5 BBLS WATER - BUMPED PLUG AT 21:37 HRS 02/14/12 - HAD 67.5 BBLS OF CMT TO SURFACE, NO FALL BACK - FLOATS HELD - CIP AT 21:37 HRS 01/14/12 |
| 3/7/2012  | 6:00           | 18:00 | 12.00         | MIRU    | 01       |     | P       | 1,030.0      | MOVE IN & RIG UP. 90% MOVED IN, 30% RIGGED UP.   |
|           | 18:00          | 6:00  | 12.00         | MIRU    | 01       |     | P       | 1,030.0      | S.D.F.N.   |
| 3/8/2012  | 6:00           | 6:00  | 24.00         | MIRU    | 01       |     | P       | 1,030.0      | MOVE IN & RIG UP. 100% MOVED IN, 65% RIGGED UP.  |
| 3/9/2012  | 6:00           | 16:00 | 10.00         | MIRU    | 01       |     | P       | 1,030.0      | FINISHED RIGGING UP.   |
|           | 16:00          | 23:00 | 7.00          | CASCOND | 28       |     | P       | 1,030.0      | PJSM. N.U. 13 5/8" 5M DIVERTER & ROT HEAD. RU FLOW LINE. MIXED SPUD MUD. STARTED RIG TIME @ 11:00 PM 3-8-12.   |
|           | 23:00          | 6:00  | 7.00          | CASCOND | 30       |     | P       | 1,030.0      | PJSM. TESTED ANNULAR, HCR VALVE, MANUAL VALVES & KILL LINE VALVES TO 250 / 2,500 PSI. TESTED INSIDE BOP, TIW VALVE & KELLY VALVE TO 250 / 5,000 PSI. TESTED STAND PIPE, IBOP & MUD LINES TO 250 / 4,000 PSI. HELD EACH TEST FOR 10MIN. STARTED TESTING CHOKE MANIFOLD 250 / 5,000 PSI.   |
| 3/10/2012 | 6:00           | 6:30  | 0.50          | CASCOND | 12       |     | P       | 1,030.0      | RIG & TOP DRIVE SERVICE.   |
|           | 6:30           | 9:30  | 3.00          | CASCOND | 30       |     | P       | 1,030.0      | FINISHED TESTING CHOKE MANIFOLD TO 250 PSI / 5M PSI W/ 10 MIN PER TEST. RU FLARE & PANIC LINES FROM GAS BUSTER. STRAPPED & CALIPERED BHA.  |
|           | 9:30           | 13:00 | 3.50          | CASCOND | 14       |     | P       | 1,030.0      | PU & RIH W/ 12 1/4" HTC Q506FX PDC BIT, 9 5/8" 5/6 LOBE 4.0 STAGE .11 RPG SH MTR, SHOCK SUB, PRO DRIFT TOOL, (6) 8 1/2" DC, (6) 7 7/8" DC, XO SUB, (9) 4 1/2" HWDP & 4 1/2" DP. TAGGED CMT @ 960'.   |
|           | 13:00          | 13:30 | 0.50          | CASCOND | 42       |     | P       | 1,030.0      | INSTALLED ROTATING HEAD ELEMENT.   |
|           | 13:30          | 14:30 | 1.00          | CASCOND | 31       |     | P       | 1,030.0      | CIRC. TESTED PRODRIFT TOOL. TESTED CSG TO 1000 PSI FOR 30 MIN. BLEW OUT CHOKE MANIFOLD & LINES W/ AIR.   |
|           | 14:30          | 16:00 | 1.50          | CASCOND | 32       |     | P       | 1,030.0      | DRILLED CMT & FLOAT EQUIP TO 1030'.  |
|           | 16:00          | 16:30 | 0.50          | DRLSURF | 07       |     | P       | 1,030.0      | DRILLED 1030' - 1040'.   |



## 2.1 Operation Summary (Continued)

| Date      | Time<br>Start-End | Duration<br>(hr) | Phase   | Activity | Sub | OP<br>Code | MD From<br>(ft) | Operation   |
|-----------|-------------------|------------------|---------|----------|-----|------------|-----------------|---|
|           | 16:30 17:30       | 1.00             | DRLSURF | 33       |     | P          | 1,040.0         | CIRC. TESTED SHOE TO 12.5 PPG MWE (220 PSI W/ 8.5 PPG MUD).   |
|           | 17:30 22:00       | 4.50             | DRLSURF | 07       |     | P          | 1,040.0         | DRILLED 1040' - 1455'.  |
|           | 22:00 1:30        | 3.50             | DRLSURF | 43       |     | N          | 1,455.0         | TD POWER UNIT MTR BLOWING OIL FROM HOLE IN VALVE COVER. POOH TO CSG SHOE. REPAIRED POWER UNIT. TIH.   |
|           | 1:30 6:00         | 4.50             | DRLSURF | 07       |     | P          | 1,455.0         | DRILLED 1455' - 1850'.  |
| 3/11/2012 | 6:00 15:30        | 9.50             | DRLSURF | 07       |     | P          | 1,850.0         | DRILLED 1,850' - 2,629'.  |
|           | 15:30 18:00       | 2.50             | DRLSURF | 43       |     | N          | 2,629.0         | REPAIRED HEAD ON TD POWER UNIT.   |
|           | 18:00 22:30       | 4.50             | DRLSURF | 07       |     | P          | 2,629.0         | DRILLED 2,629' - 2909'.   |
|           | 22:30 23:30       | 1.00             | DRLSURF | 11       |     | P          | 2,909.0         | CIRC & WIRELINE SURVEY @ 2846', 1.2 DEG.  |
| 3/12/2012 | 23:30 6:00        | 5.50             | DRLSURF | 07       |     | P          | 2,909.0         | DRILLED 2909' -3100'. (NOTE: LOST 1 HR DUE TO DLS TIME)   |
|           | 6:00 7:00         | 1.00             | DRLSURF | 07       |     | P          | 3,100.0         | DRILLED 3100' - 3120'.  |
|           | 7:00 13:00        | 6.00             | DRLSURF | 52       |     | N          | 3,120.0         | LOST COMPLETE RETURNS. MIXED & PUMPED LCM PILLS. DID NOT REGAIN CIRC.   |
|           | 13:00 16:00       | 3.00             | DRLSURF | 52       |     | N          | 3,120.0         | BACK REAMED OUT OF HOLE TO 1715'.   |
|           | 16:00 19:00       | 3.00             | DRLSURF | 52       |     | N          | 3,120.0         | MIXED & PUMPED 60 PPB LCM PILLS. LOST 2600 BBL MUD BEFORE REGAINING PARTIAL CIRC. BYPASSED SHAKERS. CIRC @ 450 GPM. MIXED & PUMPED 60 PPB LCM PILLS. MUD LOSS DECLINED TO 40 BPH. |
|           | 19:00 22:00       | 3.00             | DRLSURF | 52       |     | N          | 3,120.0         | STAGED IN HOLE TO 3120'. CIRC @ 700 GPM. SHAKER BYPASSED. MUD LOSS 30 BPH.  |
|           | 22:00 1:00        | 3.00             | DRLSURF | 07       |     | P          | 3,120.0         | DRILLED 3120' - 3187' W/ MUD LOSS 20 BPH. MUD LOSS INCREASED TO 150 BPH.  |
|           | 1:00 6:00         | 5.00             | DRLSURF | 52       |     | N          | 3,187.0         | REDUCED PUMP RATE TO 315 GPM. MIXED & PUMPED 60 PPB LCM PILLS. INITIAL MUD LOSS 100 BPH @ REDUCED PUMP RATE.  |
| 3/13/2012 | 6:00 14:30        | 8.50             | DRLSURF | 07       |     | P          | 3,187.0         | DRILLED 3,187' - 3,344' W/ MUD LOSS 180 BPH. MUD LOSS INCREASED TO 250 BPH. ROP DECLINED TO 12 FPH.   |
|           | 14:30 1:00        | 10.50            | DRLSURF | 13       |     | P          | 3,344.0         | POOH. LD 6 BLADE PDC BIT & MOTOR. PU 12 1/4" SEC FX75D PDC BIT & NEW 9 5/8" 5/6 LOBE 4.0 STAGE .11 RPG SH MTR. TIH W/ NO PROBLEMS TO 3300'.                                       |
|           | 1:00 1:30         | 0.50             | DRLSURF | 16       |     | P          | 3,344.0         | W&R 3300' - 3344'.  |
|           | 1:30 6:00         | 4.50             | DRLSURF | 07       |     | P          | 3,344.0         | DRILLED 3344' - 3500'. MUD LOSS @ 75 BPH. MAINTAINING 40 PPB LCM IN MUD SYSTEM. PUMPING 10 BBL 60 PPB LCM SWEEPS AS NEEDED TO CONTROL MUD LOSS.                                   |
| 3/14/2012 | 6:00 7:00         | 1.00             | DRLSURF | 52       |     | N          | 3,500.0         | MUD LOSS INCREASED TO 350 BPH. MIXED & SPOTTED LCM/DIAMOND SEAL PILLS. MUD LOSS DECLINED TO 10 BPH.   |
|           | 7:00 7:30         | 0.50             | DRLSURF | 12       |     | P          | 3,500.0         | RIG & TOP DRIVE SERVICE.  |
|           | 7:30 8:00         | 0.50             | DRLSURF | 11       |     | P          | 3,500.0         | WIRELINE SURVEY @ 3508', 1 DEG.   |
|           | 8:00 19:00        | 11.00            | DRLSURF | 07       |     | P          | 3,500.0         | DRILLED 3500' - 3680'.  |
|           | 19:00 23:00       | 4.00             | DRLSURF | 52       |     | N          | 3,680.0         | MUD LOSS INCREASED TO 350 BPH. MIXED & SPOTTED (3) 60 PPB LCM/DIAMOND SEAL PILLS. MUD LOSS DECLINED TO 10 BPH.  |
|           | 23:00 6:00        | 7.00             | DRLSURF | 07       |     | P          | 3,680.0         | DRILLED 3680' - 3785'. MUD LOSS 35 BPH. MAINTAINING 40 PPB LCM IN MUD SYSTEM. PUMPING 10 BBL 60 PPB LCM SWEEPS AS NEEDED TO CONTROL MUD LOSS.                                     |
| 3/15/2012 | 6:00 12:30        | 6.50             | DRLSURF | 07       |     | P          | 3,785.0         | DRILL 3,785' - 3,878'. LOSING 160 BPH, MIXING 60 PPB LCM SWEEPS, LOSSES STILL INCREASING  |
|           | 12:30 13:00       | 0.50             | DRLSURF | 12       |     | P          | 3,878.0         | RIG SERVICE   |
|           | 13:00 15:00       | 2.00             | DRLSURF | 07       |     | P          | 3,878.0         | BRING ON AIR AT 800 SCFM, PUMPING 336 GPM MUD @ 749 PSI   |
|           | 15:00 15:30       | 0.50             | DRLSURF | 07       |     | P          | 3,878.0         | DRILLED WITH AIR 3,878' - 3,880' 500 SCFM AIR, 476 GPM MUD, 1,138 PSI SPP - SHUT DOWN AIR, R/D SAME   |



## 2.1 Operation Summary (Continued)

| Date      | Time<br>Start-End | Duration<br>(hr) | Phase   | Activity | Sub | OP<br>Code | MD From<br>(ft) | Operation   |
|-----------|-------------------|------------------|---------|----------|-----|------------|-----------------|---|
|           | 15:30 19:00       | 3.50             | DRLSURF | 07       |     | P          | 3,880.0         | DRILL 3,880' - 3,948' , MAINTAINING 30 PPB LCM IN MUD SYSTEM. PUMPING 10 BBL 60 PPB LCM SWEEPS AS NEEDED TO CONTROL MUD LOSS. MUD LOSSES SLOWED TO 30 BPH FROM 3,905' TO 3,945'.  |
|           | 19:00 1:30        | 6.50             | DRLSURF | 15       |     | P          | 3,948.0         | LOST COMPLETE RETURNS @ 3,948'. MIXED & PUMPED 5 LCM PILLS @ 60 PPB. DID NOT REGAIN CIRC.   |
|           | 1:30 6:00         | 4.50             | DRLSURF | 13       |     | P          | 3,948.0         | BACK REAMED OUT OF HOLE FOR 10 STAND WIPER TRIP. HOLE TIGHT F/ 3,825' - 3,820' , 3,726' - 3,695' , 3,676' - 3,540' , 3,320 - 3,309'. REGAINED RETURNS WORKING TIGHT SPOT AT 3,309'. WORKING TIGHT HOLE AT 3,306' AT REPORT TIME PUMPING 7.5 BPM LOSSES AT 24 BPH. |
| 3/16/2012 | 6:00 6:30         | 0.50             | DRLSURF | 51       |     | P          | 3,948.0         | WORK DRILL STRING AT 3,268' - 3,350' - PUMPING 10 BBL 60 PPB LCM SWEEPS FOR LOSSES .  |
|           | 6:30 9:30         | 3.00             | DRLSURF | 51       |     | P          | 3,948.0         | WASH AND REAM TIGHT SPOTS RIH FROM 3,309' , 3,607' , 3,627' -3634' , 3,640' - 3,644' , 3,691' , 3,706' , 3,810' , 3,935' - 3,948' .   |
|           | 9:30 11:30        | 2.00             | DRLSURF | 07       |     | P          | 3,948.0         | DRILL 3,948' - 4,003' .   |
|           | 11:30 12:00       | 0.50             | DRLSURF | 12       |     | P          | 4,003.0         | RIG SERVICE   |
|           | 12:00 12:30       | 0.50             | DRLSURF | 07       |     | P          | 4,003.0         | DRILL 4,003' - 4,012'   |
|           | 12:30 13:30       | 1.00             | DRLSURF | 15       |     | P          | 4,012.0         | LOSSES TO THE HOLE EXCEEDED 450 BBLS / HR - REDUCED PUMP RATE FROM 616 GPM TO 325 GPM - CONTINUE 60 PPB SWEEP PROCEDURE & MAINTAINING 30 % LCM IN MUD SYSTEM.   |
|           | 13:30 17:00       | 3.50             | DRLSURF | 07       |     | P          | 4,012.0         | DRILL 4,012' - 4,107' - CONTINUE 60 PPB SWEEP PROCEDURE & MAINTAINING 30 % LCM IN MUD SYSTEM.   |
|           | 17:00 21:30       | 4.50             | DRLSURF | 15       |     | P          | 4,107.0         | CIRCULATE AND CONDITION MUD, BUILD MUD VOLUME, CONTINUE 60 PPB SWEEP PROCEDURE & MAINTAINING 30 % LCM IN MUD SYSTEM.  |
|           | 21:30 1:00        | 3.50             | DRLSURF | 13       |     | P          | 4,107.0         | POOH, WIPER TRIP TO SHOE, BACK REAMED FIRST 3 STANDS. HOLE SLICK TO 3,210' , BACKREAMED TIGHT SPOT TO TO 3,150'. FINISH POOH TO SHOE. PULLED SLOW DUE TO SWABING.   |
|           | 1:00 2:00         | 1.00             | DRLSURF | 13       |     | P          | 4,107.0         | TIH TO 2504'.   |
|           | 2:00 3:00         | 1.00             | DRLSURF | 15       |     | P          | 4,107.0         | BREAK CIRC AT 175 GPM, STAGE PUMPS TO 350 GPM, CIRC B/U. MUD LOSSES 10 BPH.   |
|           | 3:00 5:00         | 2.00             | DRLSURF | 13       |     | P          | 4,107.0         | TIH TO 4107'. REAMED TIGHT SPOT FROM 3,160' - 3,235' & 3,634 - 3,801'   |
|           | 5:00 6:00         | 1.00             | DRLPRD  | 15       |     | P          | 4,107.0         | BREAK CIRC AT 175 GPM, STAGE PUMPS TO 600 GPM. CONTINUE 60 PPB SWEEP PROCEDURE & MAINTAINING 30 % LCM IN MUD SYSTEM.  |
| 3/17/2012 | 6:00 6:30         | 0.50             | DRLSURF | 15       |     | P          | 4,107.0         | CIRCULATE AND CONDITIONING MUD, BUILDING VOLUME .   |
|           | 6:30 13:00        | 6.50             | DRLSURF | 13       |     | P          | 4,107.0         | TOH - BACK REAM TIGHT SPOT 3,742' - 3,693' (49') - TOH TO 402' .  |
|           | 13:00 16:00       | 3.00             | DRLSURF | 14       |     | P          | 4,107.0         | LAY OUT BIG DRILL COLLARS, SHOCK SUB, MUD MOTOR, BIT.   |
|           | 16:00 16:00       | 0.00             | DRLSURF | 42       |     | P          | 4,107.0         | CLEAR RIG FLOOR FOR RUNNING OF 9 5/8" SFC CSG.  |
|           | 16:30 18:30       | 2.00             | CASSURF | 24       |     | P          | 4,107.0         | HPJSM TESCO - PREP TDU FOR CDS - PICK UP CDS  |
|           | 18:30 19:00       | 0.50             | CASSURF | 12       |     | P          | 4,107.0         | RIG SERVICE   |
|           | 19:00 21:30       | 2.50             | CASSURF | 24       |     | P          | 4,107.0         | RUN 8 JTS 9-5/8" 40# N-80 LT&C SURF. CSG TO 349' WITH CDS.  |
|           | 21:30 0:00        | 2.50             | CASSURF | 64       |     | N          | 4,107.0         | LAY OUT 2 JNTS CASING DUE TO BAD BOX. P/U NEW JNT, JNT WOULD NOT MAKE UP, LAYED OUT 2 MORE JNTS CASING.   |
|           | 0:00 1:00         | 1.00             | CASSURF | 12       |     | N          | 4,107.0         | LEVEL DERRICK.  |
|           | 1:00 3:30         | 2.50             | CASSURF | 24       |     | P          | 4,107.0         | RUN 18 JNTS - 26 JNTS TOTAL 9-5/8" 40# N-80 LT&C SURF CSG WITH CDS, TO 1,011'. BROKE CIRC EVERY 10 JNTS. GETTING 50% ON CASING DISPLACEMENT.  |



## 2.1 Operation Summary (Continued)

| Date      | Time<br>Start-End | Duration<br>(hr) | Phase   | Activity | Sub | OP<br>Code | MD From<br>(ft) | Operation  |
|-----------|-------------------|------------------|---------|----------|-----|------------|-----------------|--|
| 3/18/2012 | 3:30 4:00         | 0.50             | CASSURF | 15       |     | P          | 4,107.0         | CIRC B/U AT 1,011'. 4.5 BPM, LOOSES LESS THAN 1 BPM. FULL RETRUNS THE FINAL 10 MINUTES OF CIRCULATION. TOTAL LOST WHILE CIRC B/U = 25 BBL  |
|           | 4:00 6:00         | 2.00             | CASSURF | 24       |     | P          | 4,107.0         | RUN 22 JNTS - 48 JNTS TOTAL 9-5/8" 40# N-80 LT&C SURF CSG WITH CDS, TO 1,830'. BROKE CIRC EVERY 10 JNTS. GETTING 50% ON CASING DISPLACEMENT.   |
|           | 6:00 14:00        | 8.00             | CASSURF | 24       |     | P          | 4,107.0         | RAN A TOTAL OF 103 JTS ( 4,156') OF 9 5/8" 40# N-80 LTC - FC: 4,066', FS: 4,107' - RIH FILLING EVERY 10 JTS , CIRCUALTE BACK TO SURFACE AT 1,011'  |
|           | 14:00 14:30       | 0.50             | CASSURF | 12       |     | P          | 4,107.0         | RIG SERVICE  |
|           | 14:30 15:30       | 1.00             | CASSURF | 42       |     | P          | 4,107.0         | RIG DOWN TESCO CASING DRIVE SYSTEM   |
|           | 15:30 19:00       | 3.50             | CASSURF | 25       |     | P          | 4,107.0         | HPJSM, RU HES. TEST LINES TO 5,000 PSI. PUMP 60 BBLS FRESH WATER, LEAD CMT 380 SKS - 3.16 YD - 11 PPG ( 214 BBLS ), TAIL CMT 200 SKS - 1.33 YD - 14.2 PPG (47 BBLS ). DISPLACE & BUMP PLUG WITH 308 BBLS 8.9 PPG WBM. @ 870 PSI. PLUG DOWN @ 19:05 HRS. NOTE: LOST 270 BBL MUD WHILE CMTING & 210 BBL WHILE DISPLACING CMT. TOTAL LOSSES 480 BBL.  |
|           | 19:00 22:30       | 3.50             | CASSURF | 15       |     | P          | 4,107.0         | DROP DART, OPEN DV TOOL. CIRCLATE AT 4 BPM WITH FULL RETURNS.  |
|           | 22:30 1:00        | 2.50             | CASSURF | 24       |     | P          | 4,107.0         | HPJSM, RU HES. PUMP 60 BBLS FRESH WATER, PUMP SECOND STAGE, DV TOOL @ 1,509', LEAD CMT 190 SKS - 3.16 YD - 11 PPG ( 106 BBLS ), DISPLACE & BUMP PLUG WITH 114 BBLS 8.9 PPG WBM. @ 160 PSI. PRESSURED UP TO 1400 PSI TO CLOSE DV TOOL. PLUG DOWN @ 23:40 HRS. R.D. HES CMT HEAD. NOTE: FULL RETURN UNTIL THE LAST 24 BBL MUD DISPLACED, LOST RETRNS NO CEMENT TO SURFACE. TOTAL LOSSES IN STAGE 2 = 24 BBL. |
|           | 1:00 3:00         | 2.00             | CASSURF | 24       |     | P          | 4,107.0         | RU AND RUN 1" PIPE TO 200', COULD NOT GET ANY DEEPER. PERFORM TOP OUT. PUMP 200 SKS, 3% CACL, 1.17 YD, 15.8 PPG CMT ( 40 BBLS ). 6 BBLS RETURN TO SURFACE.   |
|           | 3:00 6:00         | 3.00             | CASSURF | 24       |     | P          | 4,107.0         | WOC  |
| 3/19/2012 | 6:00 8:00         | 2.00             | CASSURF | 25       |     | P          | 4,107.0         | TIH TO 448' WITH 1" PIPE, TOP OUT CMT JOB #2, PUMPED 215 SK'S (44 BBLS) 15.8 PPG "G" CMT WITH 3% CACL2 - HAD 10 BBLS OF GOOD CEMENT BACK TO SURFACE - PULLED 1" PIPE, SAW NO PLUGGING IN THE 1" PIPE .   |
|           | 8:00 10:00        | 2.00             | CASSURF | 26       |     | P          | 4,107.0         | WAIT ON TOP OUT PLUG # 2 TO SET UP - FLUID LEVEL IN ANNULUS FELL BACK .  |
|           | 10:00 11:00       | 1.00             | CASSURF | 25       |     | P          | 4,107.0         | TIH WITH 1" PIPE TO 51' - TOP OUT CMT JOB # 3, PUMPED 75 SK'S (15 BBLS) OF 15.8 PPG "G" CMT WITH 3% CACL2 - HAD NO CEMENT BACK TO SURFACE - PULLED 1" PIPE, SAW NO PLUGGING IN THE 1" PIPE .   |
|           | 11:00 11:30       | 0.50             | CASSURF | 26       |     | P          | 4,107.0         | WAIT ON TOP OUT PLUG # 3 TO SET UP - FLUID LEVEL IN ANNULUS FELL BACK .  |
|           | 11:30 12:30       | 1.00             | CASSURF | 25       |     | P          | 4,107.0         | TIH WITH 1" PIPE TO 51' - TOP OUT CMT JOB # 4, PUMPED 75 SK'S (15 BBLS) OF 15.8 PPG "G" CMT WITH 3% CACL2 - HAD 10 BBLS OF GOOD CEMENT BACK TO SURFACE - PULLED 1" PIPE, SAW NO PLUGGING IN THE 1" PIPE, SAW GOOD CEMENT ON SIDES OF PIPE .  |
|           | 12:30 13:00       | 0.50             | CASSURF | 26       |     | P          | 4,107.0         | WAIT ON TOP OUT PLUG # 4 TO SET UP - FLUID LEVEL IN ANNULUS FELL BACK 18 FT.   |
|           | 13:00 14:00       | 1.00             | CASPRD1 | 25       |     | P          | 4,107.0         | TIH WITH 1" PIPE TO 50', TAGGED UPON CMT - TOP OUT CMT JOB # 5, PUMPED 50 SK'S (10 BBLS) OF 15.8 PPG "G" CMT WITH 3% CACL2 - HAD 4 BBLS OF GOOD CMT CEMENT BACK TO SURFACE - PULLED 1" PIPE .  |



## 2.1 Operation Summary (Continued)

| Date      | Time<br>Start-End | Duration<br>(hr) | Phase   | Activity | Sub | OP<br>Code | MD From<br>(ft) | Operation   |
|-----------|-------------------|------------------|---------|----------|-----|------------|-----------------|---|
| 3/20/2012 | 14:00 21:30       | 7.50             | CASSURF | 29       |     | P          | 4,107.0         | N/D FLOW LINE, HCR, DIVERTER - LIFT DIVERTER, ROUGH CUT 9 5/8" CSG - SET OUT DIVERTER.  |
|           | 21:30 1:30        | 4.00             | CASSURF | 27       |     | P          | 4,107.0         | INSTALL 9 5/8" X 11" 5K WELL HEAD, TEST WELD TO 2,500 PSI FOR 15 MINUTES, OK!   |
|           | 1:30 6:00         | 4.50             | CASSURF | 28       |     | P          | 4,107.0         | N.U. 11" 10 M BOPE.   |
|           | 6:00 13:00        | 7.00             | CASSURF | 28       |     | P          | 4,107.0         | FINISH N/U BOPE, ROTATING HEAD, FLOWLINE  |
|           | 13:00 15:30       | 2.50             | CASSURF | 48       |     | N          | 4,107.0         | REPAIRED BROKEN HCR GREASE FITTING ON MANUAL SIDE   |
|           | 15:30 20:30       | 5.00             | CASSURF | 30       |     | P          | 4,107.0         | HPJSM - INSTALL TEST PLUG - TESTED UPPER, LOWER DRILL PIPE RAMS, BLIND RAMS, INSIDE/ OUT SIDE HCR, KILL, CHOKE LINE VALVES, FLOW LINE TO CHOKE MANIFOLD - ALL TEST RAN 250 PSI LOW, 5,000 PSI HIGH - TEST ANNULAR 250 PSI LOW, 4,000 PSI HIGH - ALL TEST RAN FOR 10 MINUTES EACH, ALL TEST WERE GOOD - TEST CASNG TO 2,500 PSI FOR 30 MINUTES |
|           | 20:30 21:30       | 1.00             | CASSURF | 28       |     | P          | 4,107.0         | INSTALL WEAR BUSHING & ROT HEAD TRIP NIPPLE.  |
|           | 21:30 0:30        | 3.00             | CASSURF | 13       |     | P          | 4,107.0         | PU BHA & TIH TO 928'.   |
|           | 0:30 1:30         | 1.00             | CASSURF | 12       |     | P          | 4,107.0         | SLIP AND CUT DRILL LINE   |
|           | 1:30 2:00         | 0.50             | CASSURF | 13       |     | P          | 4,107.0         | TIH TO 1485'. WASH TO TOP OF CMT AT 1,505'  |
|           | 2:00 2:30         | 0.50             | CASSURF | 32       |     | P          | 4,107.0         | DRILL DVT TOOL PLUG F/ 1,505' - 1,508'. (21 MINUTES TO DRILL PLUG)  |
|           | 2:30 3:00         | 0.50             | CASSURF | 15       |     | P          | 4,107.0         | CIRC OUT CMT & PLUG. MAKE MULTIPLE PASSES ACCROSS DV TOOL TO CLEAN OUT CASING.  |
|           | 3:00 4:00         | 1.00             | CASSURF | 31       |     | P          | 4,107.0         | RE-TEST CASING TO 2500 PSI 30 MIN. GOOD TEST.   |
|           | 4:00 6:00         | 2.00             | CASSURF | 13       |     | P          | 4,107.0         | POOH FOR DIRECTIONAL ASSY.  |
|           | 6:00 7:00         | 1.00             | CASSURF | 43       |     | N          | 4,107.0         | WORK ON TOP DRIVE.  |
| 3/21/2012 | 7:00 8:30         | 1.50             | CASSURF | 13       |     | P          | 4,107.0         | P/U BIT AND DIRECTIONAL TOOLS.  |
|           | 8:30 9:30         | 1.00             | CASSURF | 13       |     | P          | 4,107.0         | TIH TO 1,019'.  |
|           | 9:30 10:00        | 0.50             | CASSURF | 12       |     | P          | 4,107.0         | RIG SERVICE.  |
|           | 10:00 6:00        | 20.00            | CASSURF | 43       |     | N          | 4,107.0         | REPAIR TOP DRIVE POWER UNIT MOTOR. VALVE ASSY FELL INTO CYLINDER RUINING PISTON AND HEAD. REPLACED VALVE ROCKER ARM ASSY, INJECTOR, HEAD AND PISTON.  |
|           | 6:00 7:30         | 1.50             | CASSURF | 43       |     | N          | 4,107.0         | FINISH REPAIRS ON TDU POWER UNIT.   |
| 3/22/2012 | 7:30 8:00         | 0.50             | DRLSURF | 12       |     | P          | 4,107.0         | SERVICE RIG.  |
|           | 8:00 8:30         | 0.50             | DRLSURF | 13       |     | P          | 4,107.0         | INSTALL ROTATING HEAD RUBBER, SHALLOW TEST E-M TOOL, OK.  |
|           | 8:30 10:00        | 1.50             | CASSURF | 13       |     | P          | 4,107.0         | TIH TO 3,900'.  |
|           | 10:00 11:30       | 1.50             | CASSURF | 32       |     | P          | 4,107.0         | DRILL OUT SHOE TRACK TO 4,107'.   |
|           | 11:30 12:00       | 0.50             | DRLINT1 | 07       |     | P          | 4,107.0         | DRILL 4,107' - 4,117'.  |
|           | 12:00 12:30       | 0.50             | DRLINT1 | 33       |     | P          | 4,117.0         | PREFORMED FIT WITH 9.0 PPG MUD, SURFACE PRESSURE OF 813 PSI = 12.8 PPG EQUIVLANT.   |
|           | 12:30 6:00        | 17.50            | DRLINT1 | 07       |     | P          | 4,117.0         | DRILL 4,117' - 5,070'   |
|           | 6:00 12:30        | 6.50             | DRLINT1 | 07       |     | P          | 5,070.0         | DRILL 5,070' - 5,306'.  |
| 3/23/2012 | 12:30 13:00       | 0.50             | DRLINT1 | 12       |     | P          | 5,306.0         | RIG SERVICE   |
|           | 13:00 23:00       | 10.00            | DRLINT1 | 07       |     | P          | 5,306.0         | DRILL 5,306' - 5,792'   |
|           | 23:00 2:00        | 3.00             | DRLINT1 | 45       |     | N          | 5,792.0         | CIRC WHILE WORKING ON #2 MUD PUMP, GO THROUGH FLUID END REPLACE VALVE AND SEAT, PUMP SUCTION LINES PACKED ALMOST SOLID WITH LCM AND DRILL CUTTINGS CLEAN OUT SAME.  |
|           | 2:00 6:00         | 4.00             | DRLINT1 | 07       |     | P          | 5,792.0         | DRILL 5,792' - 5,960'   |
|           | 6:00 10:30        | 4.50             | DRLINT1 | 07       |     | P          | 5,960.0         | DRILL 5,960' - 6,164'   |
| 3/24/2012 | 10:30 12:30       | 2.00             | DRLINT1 | 52       |     | N          | 6,164.0         | STARTED LOSING AT 90 BBLS / HR INCREASING TO 150 BBLS / HR - PUMPED HIGH VIS 50 PPB SWEEPS WHILE RAISING LCM IN ACTIVE MUD SYSTEM TO 10 PPB - LOST 174 BBLS   |



## 2.1 Operation Summary (Continued)

| Date      | Time<br>Start-End | Duratio<br>n<br>(hr) | Phase   | Activit<br>y | Sub | OP<br>Code | MD From<br>(ft) | Operation  |
|-----------|-------------------|----------------------|---------|--------------|-----|------------|-----------------|--|
| 3/25/2012 | 12:30 15:30       | 3.00                 | DRLINT1 | 07           |     | P          | 6,164.0         | DRILL 6,164' - 6,242' HOLE STARTED LOSING 72 BBLS / HR AT 6,175' STARED RAISING LCM TO 15 PPB IN ACTIVE - LOST 101 BBLS  |
|           | 15:30 16:00       | 0.50                 | DRLINT1 | 12           |     | P          | 6,264.0         | RIG SERVICE  |
|           | 16:00 18:30       | 2.50                 | DRLINT1 | 07           |     | P          | 6,264.0         | DRILL 6,264' - 6,344'  |
|           | 18:30 19:00       | 0.50                 | DRLINT1 | 45           |     | N          | 6,344.0         | CHANGED SWAB IN MUD PUMP # 2   |
|           | 19:00 6:00        | 11.00                | DRLINT1 | 07           |     | P          | 6,344.0         | DRILL 6,344' - 6,735'  |
|           | 6:00 9:00         | 3.00                 | DRLINT1 | 07           |     | P          | 6,735.0         | DRILL 6,735' - 6,788'  |
|           | 9:00 15:30        | 6.50                 | DRLINT1 | 13           |     | P          | 6,788.0         | TOH FOR NEW BIT, MUD MOTR  |
|           | 15:30 17:00       | 1.50                 | DRLINT1 | 14           |     | P          | 6,788.0         | LAY DOWN MUD MOTOR AND BIT   |
|           | 17:00 18:00       | 1.00                 | DRLINT1 | 14           |     | P          | 6,788.0         | PICK UP NEW MUD MOTOR, MAKE UP 8.75" BIT # 5, SCRIBE IN TOOLS  |
|           | 18:00 21:30       | 3.50                 | DRLINT1 | 13           |     | P          | 6,788.0         | TIH TO 6,518'. WASH FROM 6,518' - 6,788' HOLE SLICK, NO FILL.  |
| 3/26/2012 | 21:30 1:00        | 3.50                 | DRLINT1 | 07           |     | P          | 6,788.0         | DRILL 6,788' - 7,177'.   |
|           | 1:00 1:30         | 0.50                 | DRLINT1 | 45           |     | N          | 7,010.0         | WORK ON #2 MUD PUMP.   |
|           | 1:30 6:00         | 4.50                 | DRLINT1 | 07           |     | P          | 7,010.0         | DRILL 7,010' - 7,205'  |
|           | 6:00 14:30        | 8.50                 | DRLINT1 | 07           |     | P          | 7,205.0         | DRILL 7,205' - 7,357' .  |
|           | 14:30 15:00       | 0.50                 | DRLINT1 | 12           |     | P          | 7,357.0         | RIG SERVICE  |
|           | 15:00 4:30        | 13.50                | DRLINT1 | 07           |     | P          | 7,357.0         | DRILL 7,357' - 7,835'  |
|           | 4:30 5:00         | 0.50                 | DRLINT1 | 45           |     | N          | 7,798.0         | CIRC WHILE CHANGING SWAB IN PUMP #2.   |
|           | 5:00 6:00         | 1.00                 | DRLINT1 | 07           |     | P          | 7,798.0         | DRILL 7,798' - 7,823   |
|           | 6:00 15:30        | 9.50                 | DRLINT1 | 07           |     | P          | 7,823.0         | DRILL 7,823' - 8,009'.   |
|           | 15:30 16:00       | 0.50                 | DRLINT1 | 12           |     | P          | 8,009.0         | SERVICE RIG.   |
| 3/27/2012 | 16:00 5:30        | 13.50                | DRLINT1 | 07           |     | P          | 8,009.0         | DRILL 8,009' - 8,376'.   |
|           | 5:30 6:00         | 0.50                 | DRLINT1 | 43           |     | N          | 8,376.0         | WORKING ON TOP DRIVE POWER UNIT  |
|           | 6:00 18:00        | 12.00                | DRLINT1 | 43           |     | N          | 8,376.0         | TOP DRIVE POWER UNIT DOWN - C & C MUD WHILE WAITING ON MECHANIC TO ARRIVE TO WORK ON CAT MOTOR.  |
|           | 18:00 19:00       | 1.00                 | DRLINT1 | 43           |     | N          | 8,376.0         | SURVEY & CONDITION MUD TO POOH TO LD DIRECTIONAL TOOLS, PUMP SLUG. TOP DRIVE MOTOR IN ROUTE FROM ALBERTA, CANADA.  |
| 3/28/2012 | 19:00 19:30       | 0.50                 | DRLINT1 | 43           |     | N          | 8,376.0         | REMOVE CLAMP AND BACK OUT OF TOP DRIVE.  |
|           | 19:30 2:00        | 6.50                 | DRLINT1 | 43           |     | N          | 8,376.0         | POOH, HOLE TIGHT AT 6925', BACK REAM OUT TIGHTSPOTS WITH ROTARY F/ 5,050' TO 4,800' MAX OVER PULL 35K. PIPE PULLED WET, HOLE SWABBED FROM 8,376' - 4,694', USED PUMP IN SUB TO FILL UP MAKE HOLE TAKE MUD. |
|           | 2:00 4:00         | 2.00                 | DRLINT1 | 43           |     | N          | 8,376.0         | LD DIRECTIONAL TOOLS.  |
|           | 4:00 4:30         | 0.50                 | DRLINT1 | 43           |     | N          | 8,376.0         | SERVICE RIG.   |
|           | 4:30 5:00         | 0.50                 | DRLINT1 | 43           |     | N          | 8,376.0         | CLEAN RIG FLOOR.   |
|           | 5:30 6:00         | 0.50                 | DRLINT1 | 43           |     | N          | 8,376.0         | P/U 8 3/4" SMITH MV716, PRO DRIFT.   |
|           | 6:00 11:30        | 5.50                 | DRLINT1 | 43           |     | N          | 8,376.0         | TIH TO 4,103'.   |
|           | 11:30 20:00       | 8.50                 | DRLINT1 | 43           |     | N          | 8,376.0         | CIRC & CONDITION MUD. TDU MOTOR IN ROUTE.  |
|           | 20:00 5:00        | 9.00                 | DRLINT1 | 43           |     | N          | 8,376.0         | INSTALL TDU MOTOR.   |
|           | 5:00 6:00         | 1.00                 | DRLINT1 | 43           |     | N          | 8,376.0         | TIH.   |
| 3/29/2012 | 6:00 6:30         | 0.50                 | DRLINT1 | 43           |     | N          | 8,376.0         | RIG & TOP DRIVE SERVICE.   |
|           | 6:30 7:30         | 1.00                 | DRLINT1 | 43           |     | N          | 8,376.0         | TIH. SET DN @ 4,850'.  |
|           | 7:30 9:30         | 2.00                 | DRLINT1 | 43           |     | N          | 8,376.0         | REAMED F/4,850' T/5,225'.  |
|           | 9:30 10:30        | 1.00                 | DRLINT1 | 13           |     | P          | 8,376.0         | TIH T/8,018'.  |
|           | 10:30 11:30       | 1.00                 | DRLINT1 | 16           |     | P          | 8,376.0         | REAMED FOR SAFETY F/8,018' T/8,376'.   |
|           | 11:30 6:00        | 18.50                | DRLINT1 | 07           |     | P          | 8,376.0         | DRILLED F/8,376' T/9,008'.   |
| 3/30/2012 | 6:00 7:00         | 1.00                 | DRLINT1 | 07           |     | P          | 9,008.0         | DRILLED F/ 9,008' T/ 9,017'.   |



## 2.1 Operation Summary (Continued)

| Date     | Time<br>Start-End | Duratio<br>n<br>(hr) | Phase   | Activit<br>y | Sub | OP<br>Code | MD From<br>(ft) | Operation  |
|----------|-------------------|----------------------|---------|--------------|-----|------------|-----------------|--|
|          | 7:00 16:30        | 9.50                 | DRLINT1 | 43           |     | N          | 9,017.0         | LOST HYD PRESSURE ON TOP DRIVE. TOP DRIVE WOULD NOT ROTATE DP. CIRC & WORKED PIPE WHILE TROUBLE SHOOTING TOP DRIVE POWER UNIT. DETERMINED COMPOUND GEAR BOX BAD BETWEEN CAT MTR & HYD PUMPS. |
|          | 16:30 17:00       | 0.50                 | DRLINT1 | 43           |     | N          | 9,017.0         | REMOVED CLAMP ON TOP DRIVE SAVER SUB. BACK DP OFF TOP DRIVE W/ ROTARY.   |
|          | 17:00 22:00       | 5.00                 | DRLINT1 | 43           |     | N          | 9,017.0         | POOH TO SHOE @ 4,107'. HOLE TIGHT F/ 8,106' T/ 7,752'. MAX OVER PULL 45K. HOLE SWABBED FROM 9,017' - 4,107', USED PUMP IN SUB TO FILL UP, MAKE HOLE TAKE MUD.                                |
|          | 22:00 2:30        | 4.50                 | DRLINT1 | 13           |     | P          | 9,017.0         | POOH L.D. BIT & PRO-DRIFT.   |
|          | 2:30 5:30         | 3.00                 | DRLINT1 | 13           |     | P          | 9,017.0         | P.U. BIT # 6, PRO-DRIFT & TIH T/ 4,102'.   |
|          | 5:30 6:00         | 0.50                 | DRLINT1 | 43           |     | N          | 9,017.0         | CIRC & CONDITION MUD. TDU GEAR BOX IN ROUTE.   |
| 4/1/2012 | 6:00 18:30        | 12.50                | DRLINT1 | 43           |     | N          | 9,017.0         | CIRC & CONDITION MUD. TDU GEAR BOX IN ROUTE.   |
|          | 18:30 6:00        | 11.50                | DRLINT1 | 43           |     | N          | 9,017.0         | INSTALL TDU GEAR BOX.  |
| 4/2/2012 | 6:00 13:30        | 7.50                 | DRLINT1 | 43           |     | N          | 9,017.0         | FINISHED INSTALLING NEW COMPOUND GEAR BOX & (1) HYDRAULIC PUMP ON TOP DRIVE POWER UNIT. FUNCTION TESTED TOP DRIVE.   |
|          | 13:30 16:30       | 3.00                 | DRLINT1 | 43           |     | N          | 9,017.0         | TIH TO 8,850'.   |
|          | 16:30 17:00       | 0.50                 | DRLINT1 | 16           |     | P          | 9,017.0         | W&R FOR SAFETY TO 9,017'.  |
|          | 17:00 0:30        | 7.50                 | DRLINT1 | 07           |     | P          | 9,017.0         | DRILLED F/ 9,017' T/ 9,226'.   |
|          | 0:30 1:00         | 0.50                 | DRLINT1 | 12           |     | P          | 9,226.0         | SERVICE RIG & TDU.   |
|          | 1:00 6:00         | 5.00                 | DRLINT1 | 07           |     | P          | 9,226.0         | DRILLED F/ 9,226' T/ 9,404'.   |
| 4/3/2012 | 6:00 9:00         | 3.00                 | DRLINT1 | 07           |     | P          | 9,404.0         | DRILLED F/ 9,404' T/ 9,506'.   |
|          | 9:00 11:30        | 2.50                 | DRLINT1 | 71           |     | N          | 9,506.0         | TROUBLE SHOOT SPP INCREASE. ( BIT PLUGGED )  |
|          | 11:30 20:30       | 9.00                 | DRLINT1 | 13           |     | P          | 9,506.0         | POOH L.D. BIT & PRO-DRIFT. ( 6 OF 7 JETS PLUGGED )   |
|          | 20:30 3:00        | 6.50                 | DRLINT1 | 13           |     | P          | 9,506.0         | P.U. BIT # 8 & TIH TO 9,506'.  |
|          | 3:00 6:00         | 3.00                 | DRLINT1 | 43           |     | N          | 9,506.0         | CIRC. WHILE TROUBLE SHOOT TDU.   |
| 4/4/2012 | 6:00 11:00        | 5.00                 | DRLINT1 | 43           |     | N          | 9,506.0         | CHANGE OUT HYD DRIVE MOTOR ON TDU.   |
|          | 11:00 2:30        | 15.50                | DRLINT1 | 07           |     | P          | 9,506.0         | DRILLED F/ 9,506' T/ 9,888'.   |
|          | 2:30 3:30         | 1.00                 | DRLINT1 | 15           |     | P          | 9,888.0         | CBU. FLOW CHECK, WELL STATIC.  |
|          | 3:30 6:00         | 2.50                 | DRLINT1 | 13           |     | P          | 9,888.0         | POOH.  |
| 4/5/2012 | 6:00 8:00         | 2.00                 | DRLINT1 | 13           |     | P          | 9,888.0         | WIPER TRIP TO SHOE @ 4,107'.   |
|          | 8:00 12:00        | 4.00                 | DRLINT1 | 13           |     | P          | 9,888.0         | TIH TO 9,888'.   |
|          | 12:00 14:30       | 2.50                 | DRLINT1 | 13           |     | P          | 9,888.0         | CIRC & CONDITION MUD TO 10.1PPG.   |
|          | 14:30 21:00       | 6.50                 | DRLINT1 | 13           |     | P          | 9,888.0         | POOH & L.D. BIT.   |
|          | 21:00 3:30        | 6.50                 | EVLINT1 | 22           |     | P          | 9,888.0         | RUN HES QUAD COMBO TO 9,887'.  |
|          | 3:30 6:00         | 2.50                 | DRLINT1 | 13           |     | P          | 9,888.0         | TIH.   |
| 4/6/2012 | 6:00 7:30         | 1.50                 | DRLINT1 | 13           |     | P          | 9,888.0         | TIH TO SHOE @ 4,107'.  |
|          | 7:30 9:00         | 1.50                 | DRLINT1 | 17           |     | P          | 9,888.0         | SLIP & CUT DRILL LINE.   |
|          | 9:00 12:30        | 3.50                 | DRLINT1 | 43           |     | N          | 9,888.0         | CHANGE HYD HOSE IN SERVICE LOOP.   |
|          | 12:30 23:00       | 10.50                | DRLINT1 | 13           |     | P          | 9,888.0         | STAGE IN HOLE C&C MUD TO 9.9PPG EVERY 2,000'.  |
|          | 23:00 23:30       | 0.50                 | DRLINT1 | 07           |     | P          | 9,888.0         | DRILLED F/ 9,888' T/ 9,903'.   |
|          | 23:30 1:00        | 1.50                 | CASINT1 | 15           |     | P          | 9,903.0         | SIMULATE CONNECTION, C&C MUD TO 9.9PPG. FLOW CHECK, WELL STATIC.   |
|          | 1:00 6:00         | 5.00                 | CASINT1 | 14           |     | P          | 9,903.0         | POOH L.D. 4½" DP.  |
| 4/7/2012 | 6:00 16:00        | 10.00                | CASINT1 | 14           |     | P          | 9,903.0         | POOH L.D. 4½" DP & BHA. HOLE SWABBED FROM 9,903' - 2,500', USED TDU TO FILL UP, MAKE HOLE TAKE MUD. FLOW CHECKED @ 6,500', 4,100' & BHA, WELL STATIC.  |
|          | 16:00 16:30       | 0.50                 | CASINT1 | 12           |     | P          | 9,903.0         | SERVICE RIG & TDU.   |
|          | 16:30 6:00        | 13.50                | CASINT1 | 24           |     | P          | 9,903.0         | RIG UP & RUN 112 JTS OF 7" LTC 29PPF CSG @ 40 FPM. STAGE IN CIRC. EVERY 1,000' & CBU 2,000'.   |
| 4/8/2012 | 6:00 23:00        | 17.00                | CASINT1 | 24           |     | P          | 9,903.0         | RUN 237 JTS OF 7" LTC 29PPF CSG @ 40 FPM T/ 9,893'. STAGE IN CIRC. EVERY 1,000' & CBU 2,000'. WORK TIGHT HOLE F/ 9,616' T/ 9,893'. 40-60K DRAG.  |



## 2.1 Operation Summary (Continued)

| Date     | Time<br>Start-End | Duration<br>(hr) | Phase   | Activity | Sub | OP<br>Code | MD From<br>(ft) | Operation   |
|----------|-------------------|------------------|---------|----------|-----|------------|-----------------|---|
| 4/9/2012 | 23:00 0:00        | 1.00             | CASINT1 | 24       |     | P          | 9,903.0         | R.D. FILL TOOL & INSTALL CMT HEAD, ATTEMPT TO CIRC, HOLE PACKED OFF. WORK CSG FREE WITH 60K DOWN, 70K UP. WHILE MAINTAINING 1,000 PSI SPP.  |
|          | 0:00 2:00         | 2.00             | CASINT1 | 15       |     | P          | 9,903.0         | CIRC & COND. MUD TO 9.8PPG WITH 46VIS.  |
|          | 2:00 5:00         | 3.00             | CASINT1 | 25       |     | P          | 9,903.0         | HPJSM - R.U. HES , TEST PUMPS, LINE TO 5,000 PSI, PUMPED 20 BBLS OF WATER AHEAD OF 415 SK'S LEAD CMT @ 12.0PPG, YIELD: 2.31 CUFT / SK, M/W: 13.04 GALS / SK, PUMPED 100 SK'S TAIL CMT @ 12.5 PPG, YIELD: 1.91 CUFT / SK, M/W: 10.35 GALS / SK. DROPPED PLUG, DISPLACED SAME WITH 367 BBLS OF 9.8 PPG MUD. BUMPED PLUG WITH 1,370 PSI AT 05:00 HRS, FLOATS HELD. HAD FULL RETURNS THROUGH OUT CEMENTING AND DISPLACEMENT. ESTIMATED TOP OF CEMENT AT 3,100'. |
|          | 5:00 6:00         | 1.00             | CASINT1 | 25       |     | P          | 9,903.0         | RIG DOWN HES CMT LINES & HEAD.  |
|          | 6:00 8:30         | 2.50             | CASINT1 | 26       |     | P          | 9,903.0         | RIG UP RIG FLOOR FOR HANDLING OF 3 1/2" DRILL PIPE WHILE WOC.   |
|          | 8:30 10:00        | 1.50             | CASINT1 | 27       |     | P          | 9,903.0         | BACK OFF LANDING JT & CLEAN TOP OF 7" HANGER IN WELL HEAD, INSTALL 7" PACK OFF ASSEMBLY, PRESSURE TEST SAME TO 5K PSI FOR 15 MINUTES.   |
|          | 10:00 12:30       | 2.50             | CASINT1 | 23       |     | P          | 9,903.0         | CHANGE OUT 4 1/2" DRILL PIPE RAMS TO 3 1/2"   |
|          | 12:30 18:30       | 6.00             | CASINT1 | 30       |     | P          | 9,903.0         | SET TEST PLUG. TESTED PIPE RAMS, BLIND RAMS, CHECK, TIW, IBOP, CHOKE & KILL LINE VAVLES 10K PSI HI / 250 PSI LOW 10 MIN. TESTED ANNULAR 4KHI / 250 PSI LOW 10MIN. TESTED CHOKE MANIFOLD 10K PSI HIGH / 250 PSI LOW 10 MIN. FUNCTIONED MANUAL AND HYDRAULIC CHOKES.  |
|          | 18:30 19:00       | 0.50             | CASINT1 | 31       |     | P          | 9,903.0         | TESTED 7" CASING TO 2,500 PSI FOR 30 MINUTES.   |
|          | 19:00 19:30       | 0.50             | CASINT1 | 12       |     | P          | 9,903.0         | SERVICE RIG & TDU.  |
|          | 19:30 5:30        | 10.00            | CASINT1 | 14       |     | P          | 9,903.0         | M/U BIT # 10, P/U 4 3/4" BHA & PICK UP 3 1/2" DRILL PIPE TO 9,596'.   |
|          | 5:30 6:00         | 0.50             | CASINT1 | 17       |     | P          | 9,903.0         | SLIP & CUT DRILL LINE.  |



|  |   |  |
|--|---|--|
| <b>STATE OF UTAH</b><br>DEPARTMENT OF NATURAL RESOURCES<br>DIVISION OF OIL, GAS, AND MINING  |   | FORM 9   |
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br><br>Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. |   | 5. LEASE DESIGNATION AND SERIAL NUMBER:<br>Fee |
|  |   | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME:          |
|  |   | 7. UNIT or CA AGREEMENT NAME:                  |
| 1. TYPE OF WELL<br>Oil Well  | 8. WELL NAME and NUMBER:<br>POTTER 4-27B5 |  |
| 2. NAME OF OPERATOR:<br>EL PASO E&P COMPANY, LP  | 9. API NUMBER:<br>43013505710000          |  |
| 3. ADDRESS OF OPERATOR:<br>1001 Louisiana St. , Houston, TX, 77002   | PHONE NUMBER:<br>713 420-5038 Ext         | 9. FIELD and POOL or WILDCAT:<br>ALTAMONT      |
| 4. LOCATION OF WELL<br>FOOTAGES AT SURFACE:<br>1537 FNL 1061 FWL<br>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:<br>Qtr/Qtr: SWNW Section: 27 Township: 02.0S Range: 05.0W Meridian: U   |   | COUNTY:<br>DUCHESNE                            |
|  |   | STATE:<br>UTAH                                 |

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION  | TYPE OF ACTION   |   |   |
|---|--|---|---|
| <input type="checkbox"/> NOTICE OF INTENT<br>Approximate date work will start:  | <input type="checkbox"/> ACIDIZE                       | <input type="checkbox"/> ALTER CASING                   | <input type="checkbox"/> CASING REPAIR                  |
| <input type="checkbox"/> SUBSEQUENT REPORT<br>Date of Work Completion:          | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS      | <input type="checkbox"/> CHANGE TUBING                  | <input type="checkbox"/> CHANGE WELL NAME               |
| <input type="checkbox"/> SPUD REPORT<br>Date of Spud:                           | <input type="checkbox"/> CHANGE WELL STATUS            | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input type="checkbox"/> CONVERT WELL TYPE              |
| <input checked="" type="checkbox"/> DRILLING REPORT<br>Report Date:<br>5/2/2012 | <input type="checkbox"/> DEEPEN                        | <input type="checkbox"/> FRACTURE TREAT                 | <input type="checkbox"/> NEW CONSTRUCTION               |
|   | <input type="checkbox"/> OPERATOR CHANGE               | <input type="checkbox"/> PLUG AND ABANDON               | <input type="checkbox"/> PLUG BACK                      |
|   | <input type="checkbox"/> PRODUCTION START OR RESUME    | <input type="checkbox"/> RECLAMATION OF WELL SITE       | <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION |
|   | <input type="checkbox"/> REPERFORATE CURRENT FORMATION | <input type="checkbox"/> SIDETRACK TO REPAIR WELL       | <input type="checkbox"/> TEMPORARY ABANDON              |
|   | <input type="checkbox"/> TUBING REPAIR                 | <input type="checkbox"/> VENT OR FLARE                  | <input type="checkbox"/> WATER DISPOSAL                 |
|   | <input type="checkbox"/> WATER SHUTOFF                 | <input type="checkbox"/> SI TA STATUS EXTENSION         | <input type="checkbox"/> APD EXTENSION                  |
|   | <input type="checkbox"/> WILDCAT WELL DETERMINATION    | <input type="checkbox"/> OTHER                          | OTHER: <input type="text"/>                             |

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Please see attached for details.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 May 09, 2012

NAME (PLEASE PRINT)

Maria S. Gomez

PHONE NUMBER

713 420-5038

TITLE

Principle Regulatory Analyst

SIGNATURE

N/A

DATE

5/2/2012



## 2.1 Operation Summary (Continued)

| Date     | Time<br>Start-End | Duratio<br>n<br>(hr) | Phase   | Activit<br>y | Sub | OP<br>Code | MD From<br>(ft) | Operation  |
|----------|-------------------|----------------------|---------|--------------|-----|------------|-----------------|--|
|          | 7:00 16:30        | 9.50                 | DRLINT1 | 43           |     | N          | 9,017.0         | LOST HYD PRESSURE ON TOP DRIVE. TOP DRIVE WOULD NOT ROTATE DP. CIRC & WORKED PIPE WHILE TROUBLE SHOOTING TOP DRIVE POWER UNIT. DETERMINED COMPOUND GEAR BOX BAD BETWEEN CAT MTR & HYD PUMPS. |
|          | 16:30 17:00       | 0.50                 | DRLINT1 | 43           |     | N          | 9,017.0         | REMOVED CLAMP ON TOP DRIVE SAVER SUB. BACK DP OFF TOP DRIVE W/ ROTARY.   |
|          | 17:00 22:00       | 5.00                 | DRLINT1 | 43           |     | N          | 9,017.0         | POOH TO SHOE @ 4,107'. HOLE TIGHT F/ 8,106' T/ 7,752'. MAX OVER PULL 45K. HOLE SWABBED FROM 9,017' - 4,107', USED PUMP IN SUB TO FILL UP, MAKE HOLE TAKE MUD.                                |
|          | 22:00 2:30        | 4.50                 | DRLINT1 | 13           |     | P          | 9,017.0         | POOH L.D. BIT & PRO-DRIFT.   |
|          | 2:30 5:30         | 3.00                 | DRLINT1 | 13           |     | P          | 9,017.0         | P.U. BIT # 6, PRO-DRIFT & TIH T/ 4,102'.   |
|          | 5:30 6:00         | 0.50                 | DRLINT1 | 43           |     | N          | 9,017.0         | CIRC & CONDITION MUD. TDU GEAR BOX IN ROUTE.   |
| 4/1/2012 | 6:00 18:30        | 12.50                | DRLINT1 | 43           |     | N          | 9,017.0         | CIRC & CONDITION MUD. TDU GEAR BOX IN ROUTE.   |
|          | 18:30 6:00        | 11.50                | DRLINT1 | 43           |     | N          | 9,017.0         | INSTALL TDU GEAR BOX.  |
| 4/2/2012 | 6:00 13:30        | 7.50                 | DRLINT1 | 43           |     | N          | 9,017.0         | FINISHED INSTALLING NEW COMPOUND GEAR BOX & (1) HYDRAULIC PUMP ON TOP DRIVE POWER UNIT. FUNCTION TESTED TOP DRIVE.   |
|          | 13:30 16:30       | 3.00                 | DRLINT1 | 43           |     | N          | 9,017.0         | TIH TO 8,850'.   |
|          | 16:30 17:00       | 0.50                 | DRLINT1 | 16           |     | P          | 9,017.0         | W&R FOR SAFETY TO 9,017'.  |
|          | 17:00 0:30        | 7.50                 | DRLINT1 | 07           |     | P          | 9,017.0         | DRILLED F/ 9,017' T/ 9,226'.   |
|          | 0:30 1:00         | 0.50                 | DRLINT1 | 12           |     | P          | 9,226.0         | SERVICE RIG & TDU.   |
|          | 1:00 6:00         | 5.00                 | DRLINT1 | 07           |     | P          | 9,226.0         | DRILLED F/ 9,226' T/ 9,404'.   |
| 4/3/2012 | 6:00 9:00         | 3.00                 | DRLINT1 | 07           |     | P          | 9,404.0         | DRILLED F/ 9,404' T/ 9,506'.   |
|          | 9:00 11:30        | 2.50                 | DRLINT1 | 71           |     | N          | 9,506.0         | TROUBLE SHOOT SPP INCREASE. ( BIT PLUGGED )  |
|          | 11:30 20:30       | 9.00                 | DRLINT1 | 13           |     | P          | 9,506.0         | POOH L.D. BIT & PRO-DRIFT. ( 6 OF 7 JETS PLUGGED )   |
|          | 20:30 3:00        | 6.50                 | DRLINT1 | 13           |     | P          | 9,506.0         | P.U. BIT # 8 & TIH TO 9,506'.  |
|          | 3:00 6:00         | 3.00                 | DRLINT1 | 43           |     | N          | 9,506.0         | CIRC. WHILE TROUBLE SHOOT TDU.   |
| 4/4/2012 | 6:00 11:00        | 5.00                 | DRLINT1 | 43           |     | N          | 9,506.0         | CHANGE OUT HYD DRIVE MOTOR ON TDU.   |
|          | 11:00 2:30        | 15.50                | DRLINT1 | 07           |     | P          | 9,506.0         | DRILLED F/ 9,506' T/ 9,888'.   |
|          | 2:30 3:30         | 1.00                 | DRLINT1 | 15           |     | P          | 9,888.0         | CBU. FLOW CHECK, WELL STATIC.  |
|          | 3:30 6:00         | 2.50                 | DRLINT1 | 13           |     | P          | 9,888.0         | POOH.  |
| 4/5/2012 | 6:00 8:00         | 2.00                 | DRLINT1 | 13           |     | P          | 9,888.0         | WIPER TRIP TO SHOE @ 4,107'.   |
|          | 8:00 12:00        | 4.00                 | DRLINT1 | 13           |     | P          | 9,888.0         | TIH TO 9,888'.   |
|          | 12:00 14:30       | 2.50                 | DRLINT1 | 13           |     | P          | 9,888.0         | CIRC & CONDITION MUD TO 10.1PPG.   |
|          | 14:30 21:00       | 6.50                 | DRLINT1 | 13           |     | P          | 9,888.0         | POOH & L.D. BIT.   |
|          | 21:00 3:30        | 6.50                 | EVLINT1 | 22           |     | P          | 9,888.0         | RUN HES QUAD COMBO TO 9,887'.  |
|          | 3:30 6:00         | 2.50                 | DRLINT1 | 13           |     | P          | 9,888.0         | TIH.   |
| 4/6/2012 | 6:00 7:30         | 1.50                 | DRLINT1 | 13           |     | P          | 9,888.0         | TIH TO SHOE @ 4,107'.  |
|          | 7:30 9:00         | 1.50                 | DRLINT1 | 17           |     | P          | 9,888.0         | SLIP & CUT DRILL LINE.   |
|          | 9:00 12:30        | 3.50                 | DRLINT1 | 43           |     | N          | 9,888.0         | CHANGE HYD HOSE IN SERVICE LOOP.   |
|          | 12:30 23:00       | 10.50                | DRLINT1 | 13           |     | P          | 9,888.0         | STAGE IN HOLE C&C MUD TO 9.9PPG EVERY 2,000'.  |
|          | 23:00 23:30       | 0.50                 | DRLINT1 | 07           |     | P          | 9,888.0         | DRILLED F/ 9,888' T/ 9,903'.   |
|          | 23:30 1:00        | 1.50                 | CASINT1 | 15           |     | P          | 9,903.0         | SIMULATE CONNECTION, C&C MUD TO 9.9PPG. FLOW CHECK, WELL STATIC.   |
|          | 1:00 6:00         | 5.00                 | CASINT1 | 14           |     | P          | 9,903.0         | POOH L.D. 4½" DP.  |
| 4/7/2012 | 6:00 16:00        | 10.00                | CASINT1 | 14           |     | P          | 9,903.0         | POOH L.D. 4½" DP & BHA. HOLE SWABBED FROM 9,903' - 2,500', USED TDU TO FILL UP, MAKE HOLE TAKE MUD. FLOW CHECKED @ 6,500', 4,100' & BHA, WELL STATIC.  |
|          | 16:00 16:30       | 0.50                 | CASINT1 | 12           |     | P          | 9,903.0         | SERVICE RIG & TDU.   |
|          | 16:30 6:00        | 13.50                | CASINT1 | 24           |     | P          | 9,903.0         | RIG UP & RUN 112 JTS OF 7" LTC 29PPF CSG @ 40 FPM. STAGE IN CIRC. EVERY 1,000' & CBU 2,000'.   |
| 4/8/2012 | 6:00 23:00        | 17.00                | CASINT1 | 24           |     | P          | 9,903.0         | RUN 237 JTS OF 7" LTC 29PPF CSG @ 40 FPM T/ 9,893'. STAGE IN CIRC. EVERY 1,000' & CBU 2,000'. WORK TIGHT HOLE F/ 9,616' T/ 9,893'. 40-60K DRAG.  |



## 2.1 Operation Summary (Continued)

| Date      | Time<br>Start-End | Duratio<br>n<br>(hr) | Phase   | Activit<br>y | Sub | OP<br>Code | MD From<br>(ft) | Operation   |
|-----------|-------------------|----------------------|---------|--------------|-----|------------|-----------------|---|
|           | 23:00 0:00        | 1.00                 | CASINT1 | 24           |     | P          | 9,903.0         | R.D. FILL TOOL & INSTALL CMT HEAD, ATTEMPT TO CIRC, HOLE PACKED OFF. WORK CSG FREE WITH 60K DOWN, 70K UP. WHILE MAINTAINING 1,000 PSI SPP.  |
|           | 0:00 2:00         | 2.00                 | CASINT1 | 15           |     | P          | 9,903.0         | CIRC & COND. MUD TO 9.8PPG WITH 46VIS.  |
|           | 2:00 5:00         | 3.00                 | CASINT1 | 25           |     | P          | 9,903.0         | HPJSM - R.U. HES , TEST PUMPS, LINE TO 5,000 PSI, PUMPED 20 BBLS OF WATER AHEAD OF 415 SK'S LEAD CMT @ 12.0PPG, YIELD: 2.31 CUFT / SK, M/W: 13.04 GALS / SK, PUMPED 100 SK'S TAIL CMT @ 12.5 PPG, YIELD: 1.91 CUFT / SK, M/W: 10.35 GALS / SK. DROPPED PLUG, DISPLACED SAME WITH 367 BBLS OF 9.8 PPG MUD. BUMPED PLUG WITH 1,370 PSI AT 05:00 HRS, FLOATS HELD. HAD FULL RETURNS THROUGH OUT CEMENTING AND DISPLACEMENT. ESTIMATED TOP OF CEMENT AT 3,100'. |
|           | 5:00 6:00         | 1.00                 | CASINT1 | 25           |     | P          | 9,903.0         | RIG DOWN HES CMT LINES & HEAD.  |
| 4/9/2012  | 6:00 8:30         | 2.50                 | CASINT1 | 26           |     | P          | 9,903.0         | RIG UP RIG FLOOR FOR HANDLING OF 3 1/2" DRILL PIPE WHILE WOC.   |
|           | 8:30 10:00        | 1.50                 | CASINT1 | 27           |     | P          | 9,903.0         | BACK OFF LANDING JT & CLEAN TOP OF 7" HANGER IN WELL HEAD, INSTALL 7" PACK OFF ASSEMBLY, PRESSURE TEST SAME TO 5K PSI FOR 15 MINUTES.   |
|           | 10:00 12:30       | 2.50                 | CASINT1 | 23           |     | P          | 9,903.0         | CHANGE OUT 4 1/2" DRILL PIPE RAMS TO 3 1/2"   |
|           | 12:30 18:30       | 6.00                 | CASINT1 | 30           |     | P          | 9,903.0         | SET TEST PLUG. TESTED PIPE RAMS, BLIND RAMS, CHECK, TIW, IBOP, CHOKE & KILL LINE VAVLES 10K PSI HI / 250 PSI LOW 10 MIN. TESTED ANNULAR 4KHI / 250 PSI LOW 10MIN. TESTED CHOKE MANIFOLD 10K PSI HIGH / 250 PSI LOW 10 MIN. FUNCTIONED MANUAL AND HYDRAULIC CHOKES.  |
|           | 18:30 19:00       | 0.50                 | CASINT1 | 31           |     | P          | 9,903.0         | TESTED 7" CASING TO 2,500 PSI FOR 30 MINUTES.   |
|           | 19:00 19:30       | 0.50                 | CASINT1 | 12           |     | P          | 9,903.0         | SERVICE RIG & TDU.  |
|           | 19:30 5:30        | 10.00                | CASINT1 | 14           |     | P          | 9,903.0         | M/U BIT # 10, P/U 4 3/4" BHA & PICK UP 3 1/2" DRILL PIPE TO 9,596'.   |
|           | 5:30 6:00         | 0.50                 | CASINT1 | 17           |     | P          | 9,903.0         | SLIP & CUT DRILL LINE.  |
| 4/10/2012 | 6:00 7:00         | 1.00                 | CASINT1 | 17           |     | P          | 9,903.0         | FINISHED SLIP & CUT DRILL LINE.   |
|           | 7:00 8:30         | 1.50                 | CASINT1 | 14           |     | P          | 9,903.0         | P.U. 3 1/2" DP. WASHED DOWN LAST 2 STANDS DP. TAGGED CEMENT @ 9816'.  |
|           | 8:30 10:00        | 1.50                 | CASINT1 | 32           |     | P          | 9,903.0         | DRILLED OUT CMT, FLOAT EQUIPMENT & SHOE TRACK. WASHED DN FROM FS @ 9874' TO TD @ 9903'. DRILLED T/ 9,913'.  |
|           | 10:00 11:00       | 1.00                 | CASINT1 | 33           |     | P          | 9,913.0         | CIRC. TESTED SHOE TO 15.4 PPG MWE (2,900 PSI WITH 9.8 PPG MUD).   |
|           | 11:00 6:00        | 19.00                | DRLPRD  | 07           |     | P          | 9,913.0         | DRILLED F/ 9,913' T/ 10,340'.   |
| 4/11/2012 | 6:00 11:30        | 5.50                 | DRLPRD  | 07           |     | P          | 10,340.0        | DRILLED 10,340' - 10,452'.  |
|           | 11:30 12:00       | 0.50                 | DRLPRD  | 12           |     | P          | 10,452.0        | SERVICE RIG & TDU.  |
|           | 12:00 6:00        | 18.00                | DRLPRD  | 07           |     | P          | 10,452.0        | DRILLED 10,452' - 10,712'.  |
| 4/12/2012 | 6:00 12:30        | 6.50                 | DRLPRD  | 07           |     | P          | 10,712.0        | DRILL 10,712' - 10,833'.  |
|           | 12:30 13:00       | 0.50                 | DRLPRD  | 12           |     | P          | 10,833.0        | RIG SERVICE   |
|           | 13:00 4:30        | 15.50                | DRLPRD  | 07           |     | P          | 10,833.0        | DRILL 10,833' -11,018'  |
|           | 4:30 5:00         | 0.50                 | DRLPRD  | 12           |     | P          | 11,018.0        | RIG SERVICE   |
|           | 5:00 6:00         | 1.00                 | DRLPRD  | 07           |     | P          | 11,018.0        | DRILL 10,018' -11,024'  |
| 4/13/2012 | 6:00 12:30        | 6.50                 | DRLPRD  | 07           |     | P          | 11,024.0        | DRILL 11,024' - 11,118'   |
|           | 12:30 13:00       | 0.50                 | DRLPRD  | 12           |     | P          | 11,118.0        | RIG SERVICE   |
|           | 13:00 18:30       | 5.50                 | DRLPRD  | 07           |     | P          | 11,118.0        | DRILL 11,118' - 11,170'   |
|           | 18:30 0:30        | 6.00                 | DRLPRD  | 13           |     | P          | 11,170.0        | POOH - CHANGED OUT BIT  |
|           | 0:30 5:30         | 5.00                 | DRLPRD  | 13           |     | P          | 11,170.0        | TIH FILLING DP EVERY 2,000' - TIH TO 11,023' - WASH DOWN LAST 2 STANDS TO 11,170'   |
|           | 5:30 6:00         | 0.50                 | DRLPRD  | 07           |     | P          | 11,170.0        | DRILL 11,170' - 11,185  |
| 4/14/2012 | 6:00 14:30        | 8.50                 | DRLPRD  | 07           |     | P          | 11,185.0        | DRILL 11,185' - 11,309'   |
|           | 14:30 15:00       | 0.50                 | DRLPRD  | 12           |     | P          | 11,309.0        | RIG SERVICE   |



## 2.1 Operation Summary (Continued)

| Date      | Time<br>Start-End | Duratio<br>n<br>(hr) | Phase   | Activit<br>y | Sub | OP<br>Code | MD From<br>(ft) | Operation   |
|-----------|-------------------|----------------------|---------|--------------|-----|------------|-----------------|---|
| 4/15/2012 | 15:00 6:00        | 15.00                | DRLPRD  | 07           |     | P          | 11,309.0        | DRILL 11,309' - 11,528'.  |
|           | 6:00 9:30         | 3.50                 | DRLPRD  | 07           |     | P          | 11,528.0        | DRILL 11,528' - 11,596'   |
|           | 9:30 10:00        | 0.50                 | DRLPRD  | 12           |     | P          | 11,596.0        | SERVICE RIG   |
|           | 10:00 6:00        | 20.00                | DRLPRD  | 07           |     | P          | 11,596.0        | DRILL 11,596' - 11,878'   |
| 4/16/2012 | 6:00 12:30        | 6.50                 | DRLPRD  | 07           |     | P          | 11,878.0        | DRILL 11,878' - 11,977'   |
|           | 12:30 13:00       | 0.50                 | DRLPRD  | 12           |     | P          | 11,977.0        | RIG SERVICE   |
|           | 13:00 6:00        | 17.00                | DRLPRD  | 07           |     | P          | 11,977.0        | DRILL 11,977' - 12,175  |
| 4/17/2012 | 6:00 8:00         | 2.00                 | DRLPRD  | 07           |     | P          | 12,175.0        | DRILL 12,175' - 12,194' .   |
|           | 8:00 15:00        | 7.00                 | DRLPRD  | 13           |     | P          | 12,194.0        | TRIP OUT FOR BIT CHANGE.  |
|           | 15:00 15:30       | 0.50                 | DRLPRD  | 12           |     | P          | 12,194.0        | RIG SERVICE.  |
|           | 15:30 20:30       | 5.00                 | DRLPRD  | 13           |     | P          | 12,194.0        | TRIP IN HOLE WITH NEW BIT TO 9,877'.  |
|           | 20:30 21:30       | 1.00                 | DRLPRD  | 17           |     | P          | 12,194.0        | SLIP AND CUT DRILL LINE.  |
|           | 21:30 23:00       | 1.50                 | DRLPRD  | 13           |     | P          | 12,194.0        | TRIP IN HOLE TO 11,997' - PRE-CATIONARY WASH DOWN TO 12,194'.   |
|           | 23:00 6:00        | 7.00                 | DRLPRD  | 07           |     | P          | 12,194.0        | DRILL 12,194' - 12,355'.  |
| 4/18/2012 | 6:00 18:00        | 12.00                | DRLPRD  | 07           |     | P          | 12,355.0        | DRILL 12,355' - 12,548'.  |
|           | 18:00 18:30       | 0.50                 | DRLPRD  | 12           |     | P          | 12,548.0        | RIG SERVICE.  |
|           | 18:30 6:00        | 11.50                | DRLPRD  | 07           |     | P          | 12,548.0        | DRILL 12,548' - 12,681'.  |
| 4/19/2012 | 6:00 11:00        | 5.00                 | DRLPRD  | 07           |     | P          | 12,681.0        | DRILL 12,681' - 12,739'.  |
|           | 11:00 11:30       | 0.50                 | DRLPRD  | 12           |     | P          | 12,739.0        | RIG SERVICE.  |
|           | 11:30 23:30       | 12.00                | DRLPRD  | 07           |     | P          | 12,739.0        | DRILL 12,739' - 12,950'.  |
|           | 23:30 1:00        | 1.50                 | DRLPRD  | 15           |     | P          | 12,950.0        | CIRCULATE.  |
|           | 1:00 4:30         | 3.50                 | DRLPRD  | 13           |     | P          | 12,950.0        | WIPER TRIP UP INTO 7" CSG SHOE @ 9,892' - TIH TO 12,2950'.  |
|           | 4:30 5:00         | 0.50                 | DRLPRD  | 15           |     | P          | 12,950.0        | CIRCULATE FOR E-LOG'S.  |
|           | 5:00 6:00         | 1.00                 | DRLPRD  | 13           |     | P          | 12,950.0        | TOH FOR LOG'G.  |
| 4/20/2012 | 6:00 8:30         | 2.50                 | DRLPRD  | 15           |     | P          | 12,950.0        | CIRCULATE, RAISED MUD WEIGHT 11.5 PPG - 11.8 PPG.   |
|           | 8:30 17:00        | 8.50                 | DRLPRD  | 13           |     | P          | 12,950.0        | TRIP OUT OF HOLE TO RUN LOG'S - L/D IBS, BIT.   |
|           | 17:00 23:00       | 6.00                 | EVLPRD  | 22           |     | P          | 12,950.0        | HSM - R/U HALLIBURTON - RAN QUAD COMBO - LOGR'S TD 12,958' WLM - R/D SAME.  |
|           | 23:00 23:30       | 0.50                 | CASPRD1 | 12           |     | P          | 12,950.0        | RIG SERVICE   |
|           | 23:30 5:00        | 5.50                 | CASPRD1 | 24           |     | P          | 12,950.0        | HSM FRANKES CASING CREW - RIG UP CSG TONGS, TORQUE TURN - MAKE UP AND PUMPED THRU SHOE TRACK - MAKE UP A TOTAL OF 79 JTS ( 3,230' ) OF 4 1/2" 13.50# P-110 LTC PRODUCTION LINER - RAN TWO MARKER JTS 1ST @ 996' UP FROM SHOE AND 2ND @ 2,088' UP FROM SHOE - MAKE UP VERSAFLEX LINER HANGER AND SETTING TOOL - RIH W/ 1 STD OF 3 1/2" DP - FILLED PIPE AT 1,000 - CIR BTMS UP AT 2,000' |
|           | 5:00 5:30         | 0.50                 | CASPRD1 | 24           |     | P          | 12,950.0        | CIR B/U AT 3.8 BPM - R/D FRANKES CSG CREW   |
|           | 5:30 6:00         | 0.50                 | CASPRD1 | 24           |     | P          | 12,950.0        | RIH WITH 4.5" PROD LNR ON 3 1/2" DP   |
| 4/21/2012 | 6:00 20:00        | 14.00                | CASPRD1 | 24           |     | P          | 12,950.0        | CONTINUED TO TIH WITH 4.50" 13.30# P-110 LTC LINER - TAGGED BOTTOM AT 12,953'.  |
|           | 20:00 21:30       | 1.50                 | CASPRD1 | 15           |     | P          | 12,950.0        | CIRCULATE AND CONDITON MUD FOR CEMENTING - HPJSM WITH RIG, HALLIBURTON ON CMT'G AND SETTING LINER HANGER - PICKED UP CMT'G HEAD AND INSTALLED.  |



## 2.1 Operation Summary (Continued)

| Date      | Time<br>Start-End | Duration<br>(hr) | Phase   | Activity | Sub | OP<br>Code | MD From<br>(ft) | Operation   |
|-----------|-------------------|------------------|---------|----------|-----|------------|-----------------|---|
| 4/22/2012 | 21:30 23:30       | 2.00             | CASPRD1 | 25       |     | P          | 12,950.0        | R/U CMTR'S - PRESSURE TEST PUMPS AND LINE TO CMT HEAD WITH 9.5 K PSI, OK - PUMPED 5 BBLS OF FRESH WATER AHEAD, 20 BBLS OF 12.0 PPG TUNER III SPACER, PUMPED 302 SK'S (78 BBL'S) 14.3 PPG YIELD: 1.45 CUFT / SK, M/W: 6.25 GALS / SK, HALCO 50/50 POZ PREMIUM CMT. - WASHED PUMPS AND LINES - DROPPED WIPER PLUG - PUMPED 12.5 PPG MUD, DISPLACED WIPER DART WITH 69 BBLS TO ENGAGED 4 1/2" LINER WIPER PLUG, CONTINUED TO DISPLACE LINER WIPER PLUG BUMPED PLUG W/ 115 1/2 BBLS (1.5 BBLS EARLY) BUMPED WITH 2200 PSI @ 23:15 HRS 4/20/12 - BLEED BACK 1 BBL - FLOATS HELD - FS: 12,942', LC: 12,814' - MAKER PUPS 11,932' & 10,840' -NOTE: HAD EXCELLENT RETURNS THROUGH OUT MIXING AND DISPLACING OF CMT JOB. |
|           | 23:30 2:00        | 2.50             | CASPRD1 | 25       |     | P          | 12,950.0        | DROPPED 1ST SEATING BALL 1.875" DIA. - PRESSURED UP TO 4,900 PSI TO RUPTURE CIRCULATING DISC - PUMPED 81 BBLS, SAW NO PRESSURE INCREASE FROM SEATING BALL, PUMPED ANOTHER 15 BBLS STILL NO PRESSURE INCREASE - REMOVED CMT'G HEAD, DROPPED 2ND SEATING BALL 2.00" DIA. - PUMPED 43 1/2 BBLS OF MUD, PRESSURED UP TO 7,100 PSI SETTING LINER HANGER PACKER - PULLED 100K OVER STRING WT OF 170 K - SET BACK DOWN WITH 50K FROM NUTREAL STR'G WT OF 170K - PULLED BACK UP, SAW 2 OF 3 SEAL ELEMENT PASS BY - PULLED ABOVE PBR   |
|           | 2:00 4:00         | 2.00             | CASPRD1 | 15       |     | P          | 12,950.0        | CIRCULATE TWO ANNULAR VOLUMES TO SURFACE AT 6 BPM - SAW 20 BBLS OF GOOD CEMENT TO SURFACE   |
|           | 4:00 4:30         | 0.50             | CASPRD1 | 25       |     | P          | 12,950.0        | RIG DOWN HALLIBURTON CEMENTERS  |
|           | 4:30 5:00         | 0.50             | CASPRD1 | 14       |     | P          | 12,950.0        | LAY DOWN 15 JTS OF 3 1/2" DRILL PIPE  |
|           | 5:00 5:30         | 0.50             | CASPRD1 | 31       |     | P          | 12,950.0        | PREFORMED POSITIVE TEST ON LINER TOP WITH 1,140 PSI FOR 15 MINUTES, OK!   |
|           | 5:30 6:00         | 0.50             | CASPRD1 | 14       |     | P          | 12,950.0        | PULLING OUT OF HOLE LAYING DOWN 3 1/2" DRILL PIPE   |
|           | 6:00 14:30        | 8.50             | CASPRD1 | 14       |     | P          | 12,950.0        | LAY DOWN 3 1/2" DP.   |
|           | 14:30 15:00       | 0.50             | CASPRD1 | 12       |     | P          | 12,950.0        | RIG SERVICE.  |
|           | 15:00 17:00       | 2.00             | CASPRD1 | 13       |     | P          | 12,950.0        | TIH WITH 4 3/4" DC'S AND 3 1/2" DP FOR DERRICK.   |
|           | 17:00 19:30       | 2.50             | CASPRD1 | 14       |     | P          | 12,950.0        | POOH L/D 3 1/2" DP.   |
|           | 19:30 20:30       | 1.00             | CASPRD1 | 17       |     | P          | 12,950.0        | SLIP AND CUT DRILLING LINE - SLIP ON 9 WRAPS TO LAY OVER DERRICK LATER.   |
|           | 20:30 21:00       | 0.50             | CASPRD1 | 14       |     | P          | 12,950.0        | TOH L/D 4 3/4" DC'S.  |
|           | 21:00 22:00       | 1.00             | CASPRD1 | 42       |     | P          | 12,950.0        | FLUSH MUD PUMPS, STAND PIPE, TOP DRIVE UNIT   |
|           | 22:00 0:00        | 2.00             | CASPRD1 | 23       |     | P          | 12,950.0        | INSTALL 4 1/2" DP RAM BLOCKS IN BOPE.   |
|           | 0:00 6:00         | 6.00             | CASPRD1 | 29       |     | P          | 12,950.0        | HPJSM - N/D FLOW LINE, ROTATING HEAD, ANNULAR PREVENTER, BOPE.  |
| 4/23/2012 | 6:00 9:30         | 3.50             | CASPRD1 | 27       |     | P          | 12,950.0        | PJSM, N/U 11" 5M X 7 1/15" 10M TBG HEAD, TEST SAME TO 5,000 PSI FOR 15 MINUTES, OK! - INSTALLED WELL CAP - RELEASD RIG AT 09:30 HRS 04/22/ 2012   |
|           | 9:30 6:00         | 20.50            | RDMO    | 02       |     | P          | 12,950.0        | RIGGIN DOWN, 70% RIG DN   |



## 1 General

### 1.1 Customer Information

|                |         |
|----------------|---------|
| Company        | WESTERN |
| Representative |         |
| Address        |         |

### 1.2 Well Information

|                     |                                      |          |                 |
|---------------------|--------------------------------------|----------|-----------------|
| Well                | POTTER 4-27B5                        |          |                 |
| Project             | ALTAMONT FIELD                       | Site     | POTTER 4-27B5   |
| Rig Name/No.        | WWS/1                                | Event    | COMPLETION LAND |
| Start Date          | 4/28/2012                            | End Date |                 |
| Spud Date           | 3/9/2012                             | UWI      | POTTER 4-27B5   |
| Active Datum        | KB @5,591.0ft (above Mean Sea Level) |          |                 |
| Afe No./Description | 147843/44542 / POTTER 4-27B5         |          |                 |

## 2 Summary

### 2.1 Operation Summary

| Date      | Time Start-End | Duration (hr) | Phase | Activity | Sub | OP Code | MD From (ft) | Operation  |
|-----------|----------------|---------------|-------|----------|-----|---------|--------------|--|
| 4/28/2012 | 12:00 16:00    | 4.00          | WBP   | 16       |     | P       |              | NIPPLE UP AND TEST BOP'S TO 10,00 PSI SPOT IN WORK AND FLOW BACK TANKS, SPOT CATWALK, PIPE RACKS AND TUBING. SECURE WELL SHUT DOWN FOR DAY |
| 4/29/2012 | 6:00 7:30      | 1.50          | WBP   | 28       |     | P       |              | CREW TRAVEL, SAFETY MEETING ( PICKING UP COLLARS AND TUBING. PINCH POINTS) FILL OUT AND REVIEW JSA   |
|           | 7:30 10:00     | 2.50          | MIRU  | 01       |     | P       |              | RIG UP RIG AND EQUIPMENT TO RUN TUBING FOR CLEANOUT  |
|           | 10:00 10:30    | 0.50          | WBP   | 24       |     | P       |              | PICK UP 3 3/4" BIT, BIT SUB, 4 2 7/8" COLLARS AND CHANGE OVER  |
|           | 10:30 12:00    | 1.50          | WBP   | 24       |     | P       |              | PICK UP 103 JOINTS 2 3/8" WORK STRING EOT @ 3,385'   |
|           | 12:00 13:00    | 1.00          | WBP   | 05       |     | P       |              | REVERSE CIRCULATE @ UPTO 2000 PSI WITH 125 BBLS 2% KCL DISPALACING DRILLING MUD  |
|           | 13:00 14:30    | 1.50          | WBP   | 24       |     | P       |              | PICK UP 65 JOINTS 2 2 7/8" TUBING EOT @ 5,460'   |
|           | 14:30 15:30    | 1.00          | WBP   | 06       |     | P       |              | REVERSE CIRCULATE @ UPTO 2000 PSI WITH 85 BBLS 2% KCL DISPALACING DRILLING MUD   |
|           | 15:30 17:00    | 1.50          | WBP   | 24       |     | P       |              | PICK UP 52 JOINTS 2 2 7/8" TUBING EOT @ 7,110'   |
|           | 17:00 18:30    | 1.50          | WBP   | 06       |     | P       |              | REVERSE CIRCULATE @ UPTO 2000 PSI WITH 95 BBLS 2% KCL DISPALACING DRILLING MUD SECURE WELL   |
|           | 18:30 18:30    | 0.00          |       |          |     |         |              | SHUT DOWN FOR DAY  |
| 4/30/2012 | 6:00 6:00      | 24.00         | WBP   | 18       |     | P       |              | DOWN FOR WEEKEND   |
| 5/1/2012  | 6:00 7:30      | 1.50          | WBP   | 26       |     | P       |              | CREW TRAVEL, SAFETY MEETING ( PICKING UP AND LAYING DOWN TUBING) FILL OUT AND REVIEW JSA   |
|           | 7:30 14:30     | 7.00          | WBP   | 24       |     | P       |              | PICK UP TUBING AND CIRCULATE DRILLING MUD OUT OF CASING. TAGGED @ 12,854. BOTTOM PERF DEPTH WILL BE 12,761' CIRCULATE WELL BORE CLEAN      |
|           | 14:30 18:00    | 3.50          | WBP   | 24       |     | P       |              | START OUT OF HOLE LAYING DOWN 243 JOINTS 2 7/8" TUBING EOT @ 5200' SECURE WELL   |
|           | 18:00 18:00    | 0.00          |       |          |     |         |              | SHUT DOWN FOR DAY  |
| 5/2/2012  | 6:00 7:30      | 1.50          | WBP   | 28       |     | P       |              | CREW TRAVEL. SAFETY MEETING ( LAYING DOWN COLLARS AND RIGGING DOWN) FILL OUT AND REVIEW JSA  |
|           | 7:30 9:30      | 2.00          | WBP   | 24       |     | P       |              | FINISH LAYING DOWN 2 7/8" TUBING, 2 3/8" WORKSTRING, DRILL COLLARS AND 3 3/4" BIT  |
|           | 9:30 10:30     | 1.00          | RDMO  | 02       |     | P       |              | RIG DOWN AND RELEASE WESTERN WELL #1 POLICE LOCATION. MOVE OUT RIG   |



## 2.1 Operation Summary (Continued)

| Date | Time<br>Start-End | Duration<br>(hr) | Phase  | Activity | Sub | OP<br>Code | MD From<br>(ft) | Operation  |
|------|-------------------|------------------|--------|----------|-----|------------|-----------------|--|
|      | 10:30 15:30       | 5.00             | WLWORK | 18       |     | P          |                 | MOLRU LONE WOLF WIE LINE, RIH W/ CCL/GAMMA/BOND LOG, TAG @ 12,850', LOG FROM 12,845' TO 4000' ( ABOVE 9-5/8" SHOE ) CEMENT TOP @ 5,660'. HELD 1000 PSIG ON CASING. |
|      | 15:30 17:30       | 2.00             | STG01  | 18       |     | P          |                 | FILL CASING WATCH FOR 15 MINUTES, GOOD NEGATIVE TEST, TEST TO 8500 PSIG GOOD POSITIVE TEST. SWI  |



|  |   |  |
|--|---|--|
| <b>STATE OF UTAH</b><br>DEPARTMENT OF NATURAL RESOURCES<br>DIVISION OF OIL, GAS, AND MINING  |   | FORM 9   |
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br><br>Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. |   | 5. LEASE DESIGNATION AND SERIAL NUMBER:<br>Fee |
|  |   | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME:          |
|  |   | 7. UNIT or CA AGREEMENT NAME:                  |
| 1. TYPE OF WELL<br>Oil Well  | 8. WELL NAME and NUMBER:<br>POTTER 4-27B5 |  |
| 2. NAME OF OPERATOR:<br>EL PASO E&P COMPANY, LP  | 9. API NUMBER:<br>43013505710000          |  |
| 3. ADDRESS OF OPERATOR:<br>1001 Louisiana St. , Houston, TX, 77002   | PHONE NUMBER:<br>713 420-5038 Ext         | 9. FIELD and POOL or WILDCAT:<br>ALTAMONT      |
| 4. LOCATION OF WELL<br>FOOTAGES AT SURFACE:<br>1537 FNL 1061 FWL<br>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:<br>Qtr/Qtr: SWNW Section: 27 Township: 02.0S Range: 05.0W Meridian: U   |   | COUNTY:<br>DUCHESNE                            |
|  |   | STATE:<br>UTAH                                 |

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION   | TYPE OF ACTION   |   |   |
|--|--|---|---|
| <input checked="" type="checkbox"/> NOTICE OF INTENT<br>Approximate date work will start:<br><b>5/9/2012</b> | <input type="checkbox"/> ACIDIZE                       | <input type="checkbox"/> ALTER CASING                   | <input type="checkbox"/> CASING REPAIR                  |
| <input type="checkbox"/> SUBSEQUENT REPORT<br>Date of Work Completion:                                       | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS      | <input type="checkbox"/> CHANGE TUBING                  | <input type="checkbox"/> CHANGE WELL NAME               |
| <input type="checkbox"/> SPUD REPORT<br>Date of Spud:  | <input type="checkbox"/> CHANGE WELL STATUS            | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input type="checkbox"/> CONVERT WELL TYPE              |
| <input type="checkbox"/> DRILLING REPORT<br>Report Date:   | <input type="checkbox"/> DEEPEN                        | <input type="checkbox"/> FRACTURE TREAT                 | <input type="checkbox"/> NEW CONSTRUCTION               |
|  | <input type="checkbox"/> OPERATOR CHANGE               | <input type="checkbox"/> PLUG AND ABANDON               | <input type="checkbox"/> PLUG BACK                      |
|  | <input type="checkbox"/> PRODUCTION START OR RESUME    | <input type="checkbox"/> RECLAMATION OF WELL SITE       | <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION |
|  | <input type="checkbox"/> REPERFORATE CURRENT FORMATION | <input type="checkbox"/> SIDETRACK TO REPAIR WELL       | <input type="checkbox"/> TEMPORARY ABANDON              |
|  | <input type="checkbox"/> TUBING REPAIR                 | <input type="checkbox"/> VENT OR FLARE                  | <input type="checkbox"/> WATER DISPOSAL                 |
|  | <input type="checkbox"/> WATER SHUTOFF                 | <input type="checkbox"/> SI TA STATUS EXTENSION         | <input type="checkbox"/> APD EXTENSION                  |
|  | <input type="checkbox"/> WILDCAT WELL DETERMINATION    | <input checked="" type="checkbox"/> OTHER               | OTHER: <input type="text" value="Initial Completion"/>  |

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Please see attached for more details.

**Approved by the  
Utah Division of  
Oil, Gas and Mining**

Date: May 09, 2012

By: *Derek Duff*

|                                       |                              |                                       |
|---------------------------------------|------------------------------|---------------------------------------|
| NAME (PLEASE PRINT)<br>Maria S. Gomez | PHONE NUMBER<br>713 420-5038 | TITLE<br>Principle Regulatory Analyst |
| SIGNATURE<br>N/A                      |                              | DATE<br>5/9/2012                      |



**Potter 4-27B5  
Initial Completion  
43013505710000**

**The following precautions will be taken until the RCA for the Conover 3-3B3 is completed:**

1. Review torque turning and running of the 7" and 4 1/2" liner of anomalies.
2. Test and chart casing for 30 minutes, noting pressure if any on surface casing.
3. Test all lubricators, valves and BOP's to working pressure.
4. Wellhead isolation tools will continue to be used to isolate the wellhead during the frac.
5. Monitor the surface casing during frac:
  - a. Lay a flowline to the flow back tank and keep the valve open.
  - b. This line will remain in place until a wire line set retrievable packer is in place isolating the 4 1/2" casing from the 7" after the frac.
6. 2 7/8" tubing will be run to isolate the 7" casing during the flow back of the well.
7. Well pressure and annulus pressure would be monitored during this time until the well is ready for pump.

**Completion Information (Wasatch Formation)**

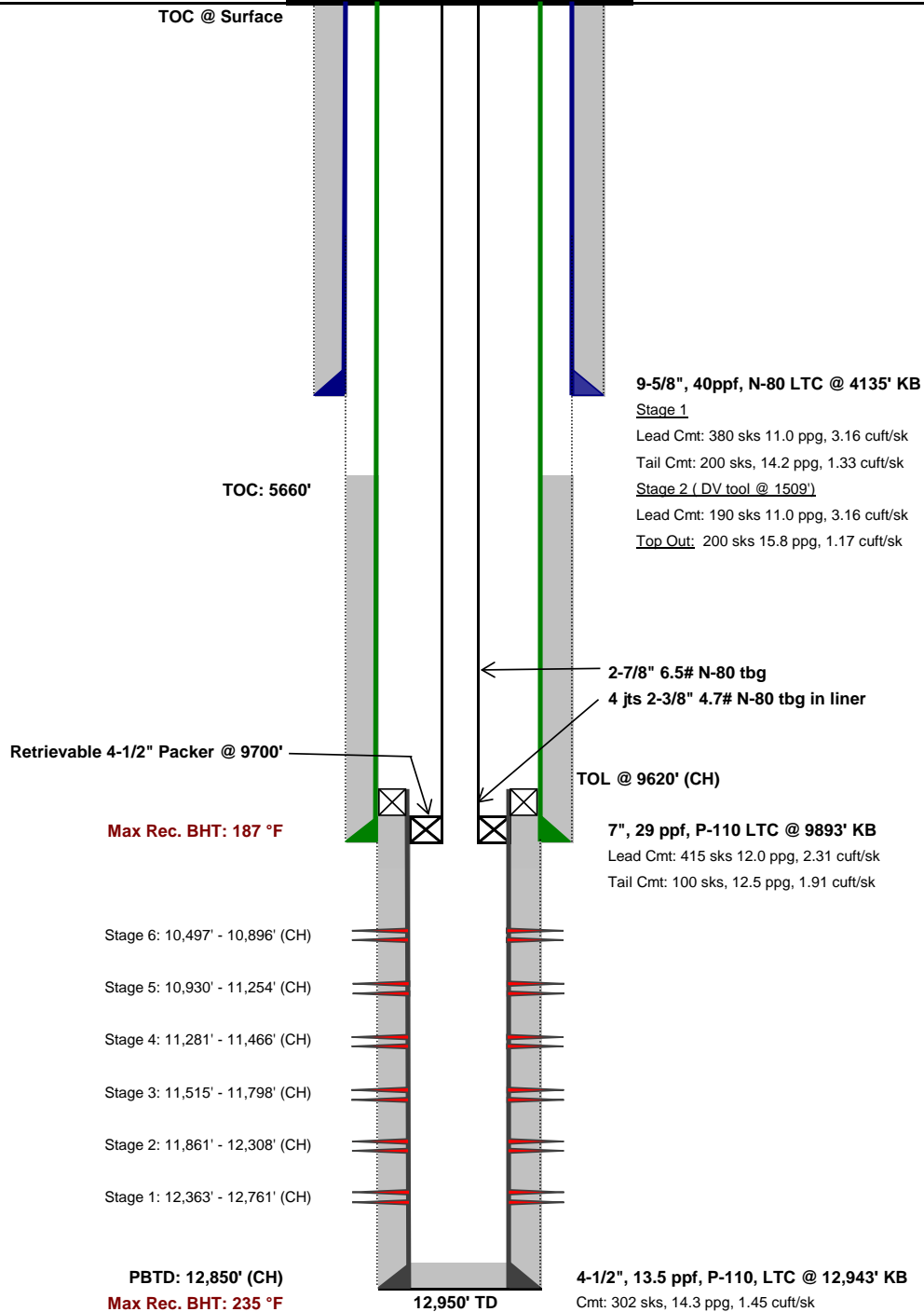
- |          |  |
|----------|--|
| Stage 1: | RU WL unit with 10K lubricator and test to 10000 psi. Perforate from 12363' – 12761'. Stimulate perforations with ~5000 gallons of 15% HCL acid, 3000# of 100 mesh sand and 106,000# Inter. Ceramic 20/40. |
| Stage 2: | RU WL unit with 10K lubricator. Set CBP at 12320'. Perforate from 11861' – 12308'. Stimulate perforations with 5000 gallons of 15% HCL acid, 3000# of 100 mesh sand and 113,000# Inter. Ceramic 20/40.     |
| Stage 3: | RU WL unit with 10K lubricator. Set CBP at 11820'. Perforate from 11515' – 11798'. Stimulate perforations with 5000 gallons of 15% HCL acid, 3000# of 100 mesh sand and ~122,000# Inter. Ceramic 20/40.    |
| Stage 4: | RU WL unit with 10K lubricator. Set CBP at 11475'. Perforate from 11281' – 11466'. Stimulate perforations with 5000 gallons of 15% HCL acid, 3000# of 100 mesh sand and 123000# Inter. Ceramic 20/40.      |
| Stage 5: | RU WL unit with 10K lubricator. Set CBP at 11265'. Perforate from 10930' – 11254'. Stimulate perforations with 5000 gallons of 15% HCL acid, 3000# of 100 mesh sand and 119,000# Inter. Ceramic 20/40.     |
| Stage 6: | RU WL unit with 10K lubricator. Set CBP at 10910'. Perforate from 10497' – 10896'. Stimulate perforations with 5000 gallons of 15% HCL acid, 3000# of 100 mesh sand and 143,000# Inter. Ceramic 20/40.     |





### Proposed Post-Completion Wellbore Diagram

|                        |  |        |                   |                       |                 |
|------------------------|--|--------|-------------------|-----------------------|-----------------|
| Well Name              | <b>Potter 4-27B5</b>                               |        | Date              | <b>May 2, 2012</b>    |                 |
| Field                  | <b>Altamont</b>                                    |        | TD                | <b>12,950</b>         |                 |
| County                 | <b>Duchesne</b>                                    |        | State             | <b>Utah</b>           |                 |
| Property #             |  |        | API               | <b>43-013-50571</b>   |                 |
| Formation              | <b>Wasatch</b>                                     | Crude  | <b>Yellow Wax</b> | BHL                   | <b>Vertical</b> |
| Surface Location       | <b>1537' FNL 1061' FWL SWNW Section 27 T2S-R5W</b> |        |                   |                       |                 |
| Artificial Lift Method |  |        | PBTD              | <b>12,850'</b>        |                 |
| Open Perfs - Top       | <b>10,497</b>                                      | Bottom | <b>12761</b>      | Total Number of Holes | <b>354</b>      |
| Known Problems         |  |        |                   |                       |                 |
| GL - <b>6,050'</b>     |  |        | KB - <b>17'</b>   |                       |                 |

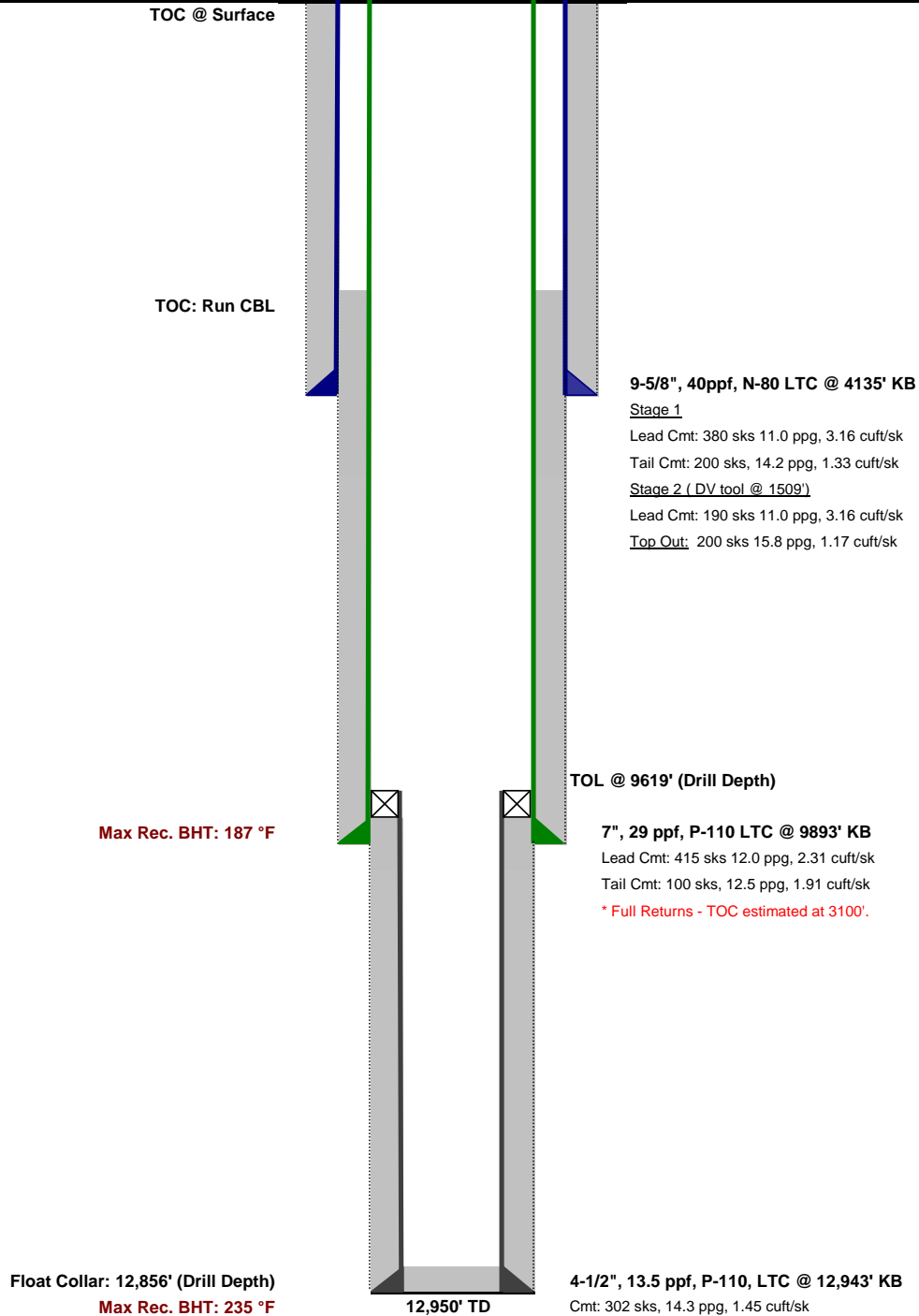






## Pre-Completion Wellbore Diagram

|                        |  |                       |                       |     |                 |
|------------------------|--|-----------------------|-----------------------|-----|-----------------|
| Well Name              | <b>Potter 4-27B5</b>                               | Date                  | <b>April 30, 2012</b> |     |                 |
| Field                  | <b>Altamont</b>                                    | TD                    | <b>12,950</b>         |     |                 |
| County                 | <b>Duchesne</b>                                    | State                 | <b>Utah</b>           |     |                 |
| Property #             |  | API                   | <b>43-013-50571</b>   |     |                 |
| Formation              | <b>Wasatch</b>                                     | Crude                 | <b>Yellow Wax</b>     | BHL | <b>Vertical</b> |
| Surface Location       | <b>1537' FNL 1061' FWL SWNW Section 27 T2S-R5W</b> |                       |                       |     |                 |
| Artificial Lift Method |  | PBTD                  | <b>12,856 ' </b>      |     |                 |
| Open Perfs - Top       |  | Total Number of Holes |                       |     |                 |
| Known Problems         |  |                       |                       |     |                 |
|                        | <b>GL - 6,050 ' </b>                               |                       | <b>KB - 17 ' </b>     |     |                 |





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STATE OF UTAH DIV. OF OIL, GAS & MINING  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ FORM 8  
(highlight changes)

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

|  |  |  |                                       |  |                                   |
|--|--|--|---------------------------------------|--|-----------------------------------|
| 1a TYPE OF WELL:   |  | OIL WELL <input checked="" type="checkbox"/> | GAS WELL <input type="checkbox"/>     | DRY <input type="checkbox"/>                         | OTHER <input type="checkbox"/>    |
| b. TYPE OF WORK:   |  | NEW WELL <input checked="" type="checkbox"/> | HORIZ. LATS. <input type="checkbox"/> | DEEP-EN <input type="checkbox"/>                     | RE-ENTRY <input type="checkbox"/> |
|  |  |  | DIFF. RESVR. <input type="checkbox"/> | OTHER <input type="checkbox"/>                       |                                   |
| 2. NAME OF OPERATOR<br>El Paso E & P Company, L. P.  |  |  |                                       |  |                                   |
| 3. ADDRESS OF OPERATOR:<br>1001 Louisiana, #2730B Houston TX 77002   |  |  |                                       | PHONE NUMBER<br>(713) 997-5138                       |                                   |
| 4. LOCATION OF WELL (FOOTAGES)<br>AT SURFACE: 1537' FNL & 1061' FWL<br>AT TOP PRODUCING INTERVAL REPORTED BELOW: 1537' FNL & 1061' FWL<br>AT TOTAL DEPTH: 1537' FNL & 1061' FWL  |  |  |                                       |  |                                   |
| 5. LEASE DESIGNATION AND SERIAL NUMBER<br>Fee  |  |  |                                       |  |                                   |
| 6. IF INDIAN, ALLOTTEE OR TRIBE NAME   |  |  |                                       |  |                                   |
| 7. UNIT or CA AGREEMENT NAME   |  |  |                                       |  |                                   |
| 8. WELL NAME and NUMBER:<br>Potter 4-27B5  |  |  |                                       |  |                                   |
| 9. API NUMBER<br>4301350571  |  |  |                                       |  |                                   |
| 10. FIELD AND POOL, OR WILDCAT<br>Altamont   |  |  |                                       |  |                                   |
| 11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:<br>SWNW 27 2S 5W<br>U.S.B. & M.   |  |  |                                       |  |                                   |
| 12. COUNTY<br>Duchesne   |  |  |                                       | 13. STATE<br>UTAH                                    |                                   |
| 14. DATE SPUDDED:<br>2/2/2012  |  | 15. DATE T.D. REACHED<br>4/18/2012           |                                       | 16. DATE COMPLETED:<br>5/13/2012                     |                                   |
|  |  | ABANDONED <input type="checkbox"/>           |                                       | READY TO PRODUCE <input checked="" type="checkbox"/> |                                   |
| 18. TOTAL DEPTH: MD 12,950<br>TVD 12,950   |  | 19. PLUG BACK T.D.: MD<br>TVD                |                                       | 20. IF MULTIPLE COMPLETIONS, HOW MANY? *<br>NO       |                                   |
|  |  |  |                                       | 21. DEPTH BRIDGE MD<br>PLUG SET TVD                  |                                   |
| 22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)<br>✓ CBL/CCL/GR Quad Combo <i>SD, DS, NACTR, BCSA</i>  |  |  |                                       |  |                                   |
| 23. WAS WELL CORED? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit analysis)<br>WAS DST RUN? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit report)<br>DIRECTIONAL SURVEY? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit copy) |  |  |                                       |  |                                   |

## 24. CASING AND LINER RECORD (Report all strings set in well)

| HOLE SIZE | SIZE/GRADE  | WEIGHT (#/ft.) | TOP (MD) | BOTTOM (MD) | STAGE CEMENTER DEPTH | CEMENT TYPE & NO. OF SACKS | SLURRY VOLUME (BBL) | CEMENT TOP ** | AMOUNT PULLED |
|-----------|-------------|----------------|----------|-------------|----------------------|----------------------------|---------------------|---------------|---------------|
| 26"       | 20" K-55    | 94             | 0        | 40          |                      | Cl. H 69                   |                     | Surf. (circ)  | ----          |
| 17-1/2"   | 13-3/8 J-55 | 54.5           | 0        | 1,046       |                      | Cl. G 1125                 | 230                 | Surf. (circ)  | ----          |
| 12-1/4"   | 9-5/8" N-80 | 40             | 0        | 4,135       |                      | Cl. G 1835                 | 596                 | Surf. (circ)  | ----          |
| 8-3/4"    | 7" p110     | 29             | 0        | 9,893       |                      | Cl. H 515                  | 205                 | 5660          | ----          |
| 6-1/8"    | 4-1/2" p110 | 13.5           | 9,620    | 12,943      |                      | Poz 310                    | 80                  | 9620          | (liner)       |

## 25. TUBING RECORD

| SIZE  | DEPTH SET (MD) | PACKER SET (MD) | SIZE | DEPTH SET (MD) | PACKER SET (MD) | SIZE | DEPTH SET (MD) | PACKER SET (MD) |
|-------|----------------|-----------------|------|----------------|-----------------|------|----------------|-----------------|
| 2-7/8 | 9,700          | 9,700           |      |                |                 |      |                |                 |

## 26. PRODUCING INTERVALS

| FORMATION NAME | TOP (MD) | BOTTOM (MD) | TOP (TVD) | BOTTOM (TVD) | INTERVAL (Top/Bot - MD) | SIZE  | NO. HOLES | PERFORATION STATUS   |
|----------------|----------|-------------|-----------|--------------|-------------------------|-------|-----------|--|
| (A) Wasatch    | 10,497   | 12,761      |           |              | 12,363 12,761           | 2-3/4 | 64        | Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/> |
| (B)            |          |             |           |              | 11,861 12,308           | 2-3/4 | 64        | Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/> |
| (C)            |          |             |           |              | 11,515 11,798           | 2-3/4 | 64        | Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/> |
| (D)            |          |             |           |              | 11,281 11,466           | 2-3/4 | 64        | Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/> |

## 27. PERFORATION RECORD

## 28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

| DEPTH INTERVAL | AMOUNT AND TYPE OF MATERIAL   |
|----------------|---|
| 12363 - 12761  | Acidized w/4998 gals 15% HCL. Frac w/3678 #'s 100 mesh & 92,847 #'s TerraProp Pro 20/40.  |
| 11861 - 12308  | Acidized w/4998 gals 15% HCL. Frac w/3066 #'s 100 mesh & 113,437 #'s TerraProp Pro 20/40. |
| 11515 - 11798  | Acidized w/4998 gals 15% HCL. Frac w/3802 #'s 100 mesh & 97,906 #'s TerraProp Pro 20/40.  |

## 29. ENCLOSED ATTACHMENTS: (All logs submitted by Service Companies)

- ☐ ELECTRICAL/MECHANICAL LOGS  
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION  
☐ GEOLOGIC REPORT  
☐ CORE ANALYSIS  
☐ DST REPORT  
☐ DIRECTIONAL SURVEY  
☒ OTHER: Items #27 & #28 continued on attachment

## 30. WELL STATUS:

Producing



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Potter 4-27B5

DIV. OF OIL, GAS &amp; MINING

## 31. INITIAL PRODUCTION

## INTERVAL A (As shown in item #26)

|                                   |  |                        |  |                     |  |                            |  |                  |  |                    |  |                             |  |                          |  |                    |  |                    |  |                          |  |
|-----------------------------------|--|------------------------|--|---------------------|--|----------------------------|--|------------------|--|--------------------|--|-----------------------------|--|--------------------------|--|--------------------|--|--------------------|--|--------------------------|--|
| DATE FIRST PRODUCED:<br>5/13/2012 |  | TEST DATE<br>5/26/2012 |  | HOURS TESTED:<br>24 |  | TEST PRODUCTION<br>RATES → |  | OIL - BBL<br>455 |  | GAS - MCF<br>1,117 |  | WATER - BBL<br>168          |  | PROD. METHOD:<br>Flowing |  |                    |  |                    |  |                          |  |
| CHOKE SIZE<br>1,125               |  | TGB. PRESS             |  | CSG. PRESS.         |  | API GRAVITY<br>44          |  | BTU - GAS        |  | GAS/OIL RATIO<br>2 |  | 24 HR PRODUCTION<br>RATES → |  | OIL - BBL<br>455         |  | GAS - MCF<br>1,117 |  | WATER - BBL<br>168 |  | INTERVAL STATUS:<br>open |  |

## INTERVAL B (As shown in item #26)

|                     |             |             |             |               |               |                             |           |           |             |                  |
|---------------------|-------------|-------------|-------------|---------------|---------------|-----------------------------|-----------|-----------|-------------|------------------|
| DATE FIRST PRODUCED |             | TEST DATE   |             | HOURS TESTED: |               | TEST PRODUCTION<br>RATES →  | OIL - BBL | GAS - MCF | WATER - BBL | PROD METHOD:     |
| CHOKE SIZE          | TBG. PRESS. | CSG. PRESS. | API GRAVITY | BTU - GAS     | GAS/OIL RATIO | 24 HR PRODUCTION<br>RATES → | OIL - BBL | GAS - MCF | WATER - BBL | INTERVAL STATUS: |

## INTERVAL C (As shown in item #26)

|                      |             |             |             |               |               |                              |           |           |             |                  |
|----------------------|-------------|-------------|-------------|---------------|---------------|------------------------------|-----------|-----------|-------------|------------------|
| DATE FIRST PRODUCED: |             | TEST DATE:  |             | HOURS TESTED: |               | TEST PRODUCTION<br>RATES: →  | OIL – BBL | GAS – MCF | WATER – BBL | PROD. METHOD:    |
| CHOKE SIZE           | TBG. PRESS. | CSG. PRESS. | API GRAVITY | BTU – GAS     | GAS/OIL RATIO | 24 HR PRODUCTION<br>RATES: → | OIL – BBL | GAS – MCF | WATER – BBL | INTERVAL STATUS: |

## INTERVAL D (As shown in item #26)

|                      |             |             |             |              |               |                              |            |            |              |                  |
|----------------------|-------------|-------------|-------------|--------------|---------------|------------------------------|------------|------------|--------------|------------------|
| DATE FIRST PRODUCED: |             | TEST DATE   |             | HOURS TESTED |               | TEST PRODUCTION<br>RATES: →  | OIL - BBL: | GAS - MCF: | WATER - BBL: | PROD. METHOD:    |
| CHOKE SIZE:          | TBG. PRESS. | CSG. PRESS. | API GRAVITY | BTU - GAS    | GAS/OIL RATIO | 24 HR PRODUCTION<br>RATES: → | OIL - BBL: | GAS - MCF: | WATER - BBL: | INTERVAL STATUS: |

## 32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

Sold

## 33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 34. FORMATION (Log) MARKERS:

| Formation | Top<br>(MD) | Bottom<br>(MD) | Descriptions, Contents, etc. | Name                         | Top<br>(Measured Depth) |
|-----------|-------------|----------------|------------------------------|------------------------------|-------------------------|
|           |             |                |                              | Lower Green River<br>Wasatch | 8,278<br>9,810          |

## 35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Linda Renken

TITLE Regulatory Analyst

SIGNATURE

*Linda Renken*

DATE 6/12/2012

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

\* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

\*\* ITEM 24: Cement Top - Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940



CONFIDENTIAL

**Attachment to Well Completion Report**

**Form 8 Dated June 12, 2012**

**Well Name: Potter 4-27B5**

**Items #27 and #28 Continued**

**27. Perforation Record**

| <b>Interval (Top/Bottom – MD)</b> | <b>Size</b> | <b>No. of Holes</b> | <b>Perf. Status</b> |
|-----------------------------------|-------------|---------------------|---------------------|
| 10930 – 11254                     | 2-3/4"      | 64                  | Open                |
| 10497 – 10896                     | 2-3/4"      | 64                  | Open                |

**28. Acid, Fracture, Treatment, Cement Squeeze, Etc.**

| <b>Depth Interval</b> | <b>Amount and Type of Material</b>  |
|-----------------------|---|
| 11281 - 11466         | Acidized w/4998 gals 15% HCL. Frac w/3538#'s white 100 mesh, and 122,219 #'s TerraProp Prop 20/40.  |
| 10930 - 11254         | Acidized w/4998 gals 15% HCL. Frac w/2431 #'s white 100 mesh, and 119,018 #'s TerraProp Prop 20/40. |
| 10497 - 10896         | Acidized w/4998 gals 15% HCL. Frac w/3640 #'s white 100 mesh, and 148,205 #'s TerraProp Prop 20/40. |

**RECEIVED**

**JUN 12 2012**

**DIV. OF OIL, GAS & MINING**



Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET (for state use only)**

**ROUTING**  
**CDW**

**X - Change of Operator (Well Sold)**

**Operator Name Change/Merger**

The operator of the well(s) listed below has changed, effective:

**6/1/2012**

**FROM: (Old Operator):**

N3065- El Paso E&P Company, L.P.  
 1001 Louisiana Street  
 Houston, TX. 77002

Phone: 1 (713) 997-5038

**TO: ( New Operator):**

N3850- EP Energy E&P Company, L.P.  
 1001 Louisiana Street  
 Houston, TX. 77002

Phone: 1 (713) 997-5038

**CA No.**

**Unit:**

**N/A**

| WELL NAME         | SEC | TWN | RNG | API NO | ENTITY NO | LEASE TYPE | WELL TYPE | WELL STATUS |
|-------------------|-----|-----|-----|--------|-----------|------------|-----------|-------------|
| See Attached List |     |     |     |        |           |            |           |             |

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 6/25/2012
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 6/25/2012
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/27/2012
- Is the new operator registered in the State of Utah:          Business Number: 2114377-0181
- (R649-9-2) Waste Management Plan has been received on: Yes
- Inspections of LA PA state/fee well sites complete on: N/A
- Reports current for Production/Disposition & Sundries on: 6/25/2012
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM N/A BIA Not Received
- Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: N/A
- Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
- Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: Second Oper Chg

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 6/29/2012
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 6/29/2012
- Bond information entered in RBDMS on: 6/29/2012
- Fee/State wells attached to bond in RBDMS on: 6/29/2012
- Injection Projects to new operator in RBDMS on: 6/29/2012
- Receipt of Acceptance of Drilling Procedures for APD/New on: N/A

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: 103601420
- Indian well(s) covered by Bond Number: 103601473
- (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 400JU0705
- The **FORMER** operator has requested a release of liability from their bond on: N/A

**LEASE INTEREST OWNER NOTIFICATION:**

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 6/29/2012

**COMMENTS:**

Disposal and Injections wells will be moved when UIC 5 is received.



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

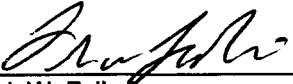
|   |  |  |
|---|--|--|
| 1. TYPE OF WELL<br>OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____ |  | 5. LEASE DESIGNATION AND SERIAL NUMBER:<br>Multiple Leases |
| 2. NAME OF OPERATOR:<br>El Paso E&P Company, L.P. Attn: Maria Gomez   |  | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME:                      |
| 3. ADDRESS OF OPERATOR:<br>1001 Louisiana CITY Houston STATE TX ZIP 77002                                     |  | 7. UNIT or CA AGREEMENT NAME:                              |
| PHONE NUMBER:<br>(713) 997-5038   |  | 8. WELL NAME and NUMBER:<br>See Attached                   |
| 9. API NUMBER:  |  | 10. FIELD AND POOL, OR WILDCAT:<br>See Attached            |
| 4. LOCATION OF WELL<br>FOOTAGES AT SURFACE: See Attached  |  | COUNTY:  |
| QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:  |  | STATE: UTAH  |

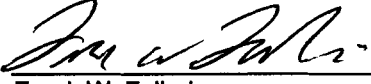
| 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA  |   |   |  |
|--|---|---|--|
| TYPE OF SUBMISSION   | TYPE OF ACTION  |   |  |
| <input checked="" type="checkbox"/> NOTICE OF INTENT<br>(Submit in Duplicate)<br>Approximate date work will start: _____ | <input type="checkbox"/> ACIDIZE                        | <input type="checkbox"/> DEEPEN                           | <input type="checkbox"/> REPERFORATE CURRENT FORMATION             |
|  | <input type="checkbox"/> ALTER CASING                   | <input type="checkbox"/> FRACTURE TREAT                   | <input type="checkbox"/> SIDETRACK TO REPAIR WELL                  |
|  | <input type="checkbox"/> CASING REPAIR                  | <input type="checkbox"/> NEW CONSTRUCTION                 | <input type="checkbox"/> TEMPORARILY ABANDON                       |
|  | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS       | <input type="checkbox"/> OPERATOR CHANGE                  | <input type="checkbox"/> TUBING REPAIR                             |
|  | <input type="checkbox"/> CHANGE TUBING                  | <input type="checkbox"/> PLUG AND ABANDON                 | <input type="checkbox"/> VENT OR FLARE                             |
| <input type="checkbox"/> SUBSEQUENT REPORT<br>(Submit Original Form Only)<br>Date of work completion: _____              | <input type="checkbox"/> CHANGE WELL NAME               | <input type="checkbox"/> PLUG BACK                        | <input type="checkbox"/> WATER DISPOSAL                            |
|  | <input type="checkbox"/> CHANGE WELL STATUS             | <input type="checkbox"/> PRODUCTION (START/RESUME)        | <input type="checkbox"/> WATER SHUT-OFF                            |
|  | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input type="checkbox"/> RECLAMATION OF WELL SITE         | <input checked="" type="checkbox"/> OTHER: Change of Name/Operator |
|  | <input type="checkbox"/> CONVERT WELL TYPE              | <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION |  |

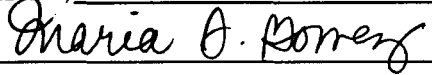
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Please be advised that El Paso E&P Company, L.P. (current Operator) has changed names to EP Energy E&P Company, L.P. (new Operator) effective June 1, 2012 and that EP Energy E&P Company, L.P. is considered the new operator of the attached well locations.

EP Energy E&P Company, L.P. is responsible under the terms and conditions of the lease(s) for the operations conducted upon leased lands. Bond coverage is provided by the State of Utah Statewide Blanket Bond No. 400JU0705, Bureau of Land Management Nationwide Bond No. 103601420, and Bureau of Indian Affairs Nationwide Bond No. 103601473.

  
Frank W. Falleri  
Vice President  
El Paso E&P Company, L.P.

  
Frank W. Falleri  
Sr. Vice President  
EP Energy E&P Company, L.P.

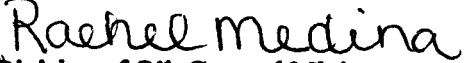
|   |                                    |
|---|------------------------------------|
| NAME (PLEASE PRINT) Maria S. Gomez  | TITLE Principal Regulatory Analyst |
| SIGNATURE  | DATE 6/22/2012                     |

(This space for State use only)

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JUN 25 2012

DIV. OF OIL, GAS & MINING

APPROVED 6/29/2012  
  
Rachel Medina  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician  
Rachel Medina

(See Instructions on Reverse Side)



| Well Name               | Sec | TWP  | RNG  | API Number | Entity | Lease Type     | Well Type | Well Status | Conf |
|-------------------------|-----|------|------|------------|--------|----------------|-----------|-------------|------|
| DWR 3-17C6              | 17  | 030S | 060W | 4301350070 |        | 14204621118    | OW        | APD         | C    |
| LAKEWOOD ESTATES 3-33C6 | 33  | 030S | 060W | 4301350127 |        | 1420H621328    | OW        | APD         | C    |
| YOUNG 3-15A3            | 15  | 010S | 030W | 4301350122 |        | FEE            | OW        | APD         | C    |
| WHITING 4-1A2           | 01  | 010S | 020W | 4301350424 |        | Fee            | OW        | APD         | C    |
| EL PASO 4-34A4          | 34  | 010S | 040W | 4301350720 |        | Fee            | OW        | APD         | C    |
| YOUNG 2-2B1             | 02  | 020S | 010W | 4304751180 |        | FEE            | OW        | APD         | C    |
| LAKE FORK RANCH 3-10B4  | 10  | 020S | 040W | 4301350712 | 18221  | Fee            | OW        | DRL         | C    |
| LAKE FORK RANCH 4-26B4  | 26  | 020S | 040W | 4301350714 | 18432  | Fee            | OW        | DRL         | C    |
| LAKE FORK RANCH 4-24B4  | 24  | 020S | 040W | 4301350717 | 18315  | Fee            | OW        | DRL         | C    |
| Cook 4-14B3             | 14  | 020S | 030W | 4301351162 | 18449  | Fee            | OW        | DRL         | C    |
| Peterson 4-22C6         | 22  | 030S | 060W | 4301351163 | 18518  | Fee            | OW        | DRL         | C    |
| Lake Fork Ranch 4-14B4  | 14  | 020S | 040W | 4301351240 | 99999  | Fee            | OW        | DRL         | C    |
| Melesco 4-20C6          | 20  | 030S | 060W | 4301351241 | 99999  | Fee            | OW        | DRL         | C    |
| Peck 3-13B5             | 13  | 020S | 050W | 4301351364 | 99999  | Fee            | OW        | DRL         | C    |
| Jensen 2-9C4            | 09  | 030S | 040W | 4301351375 | 99999  | Fee            | OW        | DRL         | C    |
| El Paso 3-5C4           | 05  | 030S | 040W | 4301351376 | 18563  | Fee            | OW        | DRL         | C    |
| ULT 6-31                | 31  | 030S | 020E | 4304740033 |        | FEE            | OW        | LA          |      |
| OBERHANSKY 2-2A1        | 02  | 010S | 010W | 4304740164 |        | FEE            | OW        | LA          |      |
| DWR 3-15C6              | 15  | 030S | 060W | 4301351433 |        | 14-20-H62-4724 | OW        | NEW         | C    |
| Lake Fork Ranch 5-23B4  | 23  | 020S | 040W | 4301350739 |        | Fee            | OW        | NEW         |      |
| Duchesne Land 4-10C5    | 10  | 030S | 050W | 4301351262 |        | Fee            | OW        | NEW         | C    |
| Cabinland 4-9B3         | 09  | 020S | 030W | 4301351374 |        | Fee            | OW        | NEW         | C    |
| Layton 4-2B3            | 02  | 020S | 030W | 4301351389 |        | Fee            | OW        | NEW         | C    |
| Golinski 4-24B5         | 24  | 020S | 050W | 4301351404 |        | Fee            | OW        | NEW         | C    |
| Alba 1-21C4             | 21  | 030S | 040W | 4301351460 |        | Fee            | OW        | NEW         | C    |
| Allison 4-19C5          | 19  | 030S | 050W | 4301351466 |        | Fee            | OW        | NEW         | C    |
| Seeley 4-3B3            | 03  | 020S | 030W | 4301351486 |        | Fee            | OW        | NEW         | C    |
| Allen 4-25B5            | 25  | 020S | 050W | 4301351487 |        | Fee            | OW        | NEW         | C    |
| Hewett 2-6C4            | 06  | 030S | 040W | 4301351489 |        | Fee            | OW        | NEW         | C    |
| Young 2-7C4             | 07  | 030S | 040W | 4301351500 |        | Fee            | OW        | NEW         | C    |
| Brighton 3-31A1E        | 31  | 010S | 010E | 4304752471 |        | Fee            | OW        | NEW         | C    |
| Hamaker 3-25A1          | 25  | 010S | 010W | 4304752491 |        | Fee            | OW        | NEW         | C    |
| Bolton 3-29A1E          | 29  | 010S | 010E | 4304752871 |        | Fee            | OW        | NEW         | C    |
| HORROCKS 5-20A1         | 20  | 010S | 010W | 4301334280 | 17378  | FEE            | OW        | OPS         | C    |
| DWR 3-19C6              | 19  | 030S | 060W | 4301334263 | 17440  | 14-20-462-1120 | OW        | P           |      |
| DWR 3-22C6              | 22  | 030S | 060W | 4301334106 | 17298  | 14-20-462-1131 | OW        | P           |      |
| DWR 3-28C6              | 28  | 030S | 060W | 4301334264 | 17360  | 14-20-462-1323 | OW        | P           |      |
| UTE 1-7A2               | 07  | 010S | 020W | 4301330025 | 5850   | 14-20-462-811  | OW        | P           |      |
| UTE 2-17C6              | 17  | 030S | 060W | 4301331033 | 10115  | 14-20-H62-1118 | OW        | P           |      |
| WLR TRIBAL 2-19C6       | 19  | 030S | 060W | 4301331035 | 10250  | 14-20-H62-1120 | OW        | P           |      |
| CEDAR RIM 10-A-15C6     | 15  | 030S | 060W | 4301330615 | 6420   | 14-20-H62-1128 | OW        | P           |      |
| CEDAR RIM 12A           | 28  | 030S | 060W | 4301331173 | 10672  | 14-20-H62-1323 | OW        | P           |      |
| UTE-FEE 2-33C6          | 33  | 030S | 060W | 4301331123 | 10365  | 14-20-H62-1328 | OW        | P           |      |
| TAYLOR 3-34C6           | 34  | 030S | 060W | 4301350200 | 17572  | 1420H621329    | OW        | P           |      |
| BAKER UTE 2-34C6        | 34  | 030S | 060W | 4301332634 | 14590  | 14-20-H62-1329 | OW        | P           |      |
| UTE 3-35Z2 K            | 35  | 010N | 020W | 4301331133 | 10483  | 14-20-H62-1614 | OW        | P           |      |
| UTE 1-32Z2              | 32  | 010N | 020W | 4301330379 | 1915   | 14-20-H62-1702 | OW        | P           |      |
| UTE TRIBAL 1-33Z2       | 33  | 010N | 020W | 4301330334 | 1851   | 14-20-H62-1703 | OW        | P           |      |
| UTE 2-33Z2              | 33  | 010N | 020W | 4301331111 | 10451  | 14-20-H62-1703 | OW        | P           |      |
| UTE TRIBAL 2-34Z2       | 34  | 010N | 020W | 4301331167 | 10668  | 14-20-H62-1704 | OW        | P           |      |
| LAKE FORK RANCH 3-13B4  | 13  | 020S | 040W | 4301334262 | 17439  | 14-20-H62-1743 | OW        | P           |      |
| UTE 1-28B4              | 28  | 020S | 040W | 4301330242 | 1796   | 14-20-H62-1745 | OW        | P           |      |
| UTE 1-34A4              | 34  | 010S | 040W | 4301330076 | 1585   | 14-20-H62-1774 | OW        | P           |      |
| UTE 1-36A4              | 36  | 010S | 040W | 4301330069 | 1580   | 14-20-H62-1793 | OW        | P           |      |
| UTE 1-1B4               | 01  | 020S | 040W | 4301330129 | 1700   | 14-20-H62-1798 | OW        | P           |      |
| UTE 1-31A2              | 31  | 010S | 020W | 4301330401 | 1925   | 14-20-H62-1801 | OW        | P           |      |



|                              |    |      |      |            |       |                |    |   |   |
|------------------------------|----|------|------|------------|-------|----------------|----|---|---|
| UTE 1-25A3                   | 25 | 010S | 030W | 4301330370 | 1920  | 14-20-H62-1802 | OW | P |   |
| UTE 2-25A3                   | 25 | 010S | 030W | 4301331343 | 11361 | 14-20-H62-1802 | OW | P |   |
| UTE 1-26A3                   | 26 | 010S | 030W | 4301330348 | 1890  | 14-20-H62-1803 | OW | P |   |
| UTE 2-26A3                   | 26 | 010S | 030W | 4301331340 | 11349 | 14-20-H62-1803 | OW | P |   |
| UTE TRIBAL 4-35A3            | 35 | 010S | 030W | 4301350274 | 18009 | 1420H621804    | OW | P | C |
| UTE 2-35A3                   | 35 | 010S | 030W | 4301331292 | 11222 | 14-20-H62-1804 | OW | P |   |
| UTE 3-35A3                   | 35 | 010S | 030W | 4301331365 | 11454 | 14-20-H62-1804 | OW | P |   |
| UTE 1-6B2                    | 06 | 020S | 020W | 4301330349 | 1895  | 14-20-H62-1807 | OW | P |   |
| UTE 2-6B2                    | 06 | 020S | 020W | 4301331140 | 11190 | 14-20-H62-1807 | OW | P |   |
| UTE TRIBAL 3-6B2             | 06 | 020S | 020W | 4301350273 | 18008 | 14-20-H62-1807 | OW | P | C |
| POWELL 4-19A1                | 19 | 010S | 010W | 4301330071 | 8302  | 14-20-H62-1847 | OW | P |   |
| COLTHARP 1-27Z1              | 27 | 010N | 010W | 4301330151 | 4700  | 14-20-H62-1933 | OW | P |   |
| UTE 1-8A1E                   | 08 | 010S | 010E | 4304730173 | 1846  | 14-20-H62-2147 | OW | P |   |
| UTE TRIBE 1-31               | 31 | 010N | 020W | 4301330278 | 4755  | 14-20-H62-2421 | OW | P |   |
| UTE 1-28B6X                  | 28 | 020S | 060W | 4301330510 | 11165 | 14-20-H62-2492 | OW | P |   |
| RINKER 2-21B5                | 21 | 020S | 050W | 4301334166 | 17299 | 14-20-H62-2508 | OW | P |   |
| MURDOCK 2-34B5               | 34 | 020S | 050W | 4301331132 | 10456 | 14-20-H62-2511 | OW | P |   |
| UTE 1-35B6                   | 35 | 020S | 060W | 4301330507 | 2335  | 14-20-H62-2531 | OW | P |   |
| UTE TRIBAL 1-17A1E           | 17 | 010S | 010E | 4304730829 | 860   | 14-20-H62-2658 | OW | P |   |
| UTE 2-17A1E                  | 17 | 010S | 010E | 4304737831 | 16709 | 14-20-H62-2658 | OW | P |   |
| UTE TRIBAL 1-27A1E           | 27 | 010S | 010E | 4304730421 | 800   | 14-20-H62-2662 | OW | P |   |
| UTE TRIBAL 1-35A1E           | 35 | 010S | 010E | 4304730286 | 795   | 14-20-H62-2665 | OW | P |   |
| UTE TRIBAL 1-15A1E           | 15 | 010S | 010E | 4304730820 | 850   | 14-20-H62-2717 | OW | P |   |
| UTE TRIBAL P-3B1E            | 03 | 020S | 010E | 4304730190 | 4536  | 14-20-H62-2873 | OW | P |   |
| UTE TRIBAL 1-22A1E           | 22 | 010S | 010E | 4304730429 | 810   | 14-20-H62-3103 | OW | P |   |
| B H UTE 1-35C6               | 35 | 030S | 060W | 4301330419 | 10705 | 14-20-H62-3436 | OW | P |   |
| BH UTE 2-35C6                | 35 | 030S | 060W | 4301332790 | 15802 | 14-20-H62-3436 | OW | P |   |
| McFARLANE 1-4D6              | 04 | 040S | 060W | 4301331074 | 10325 | 14-20-H62-3452 | OW | P |   |
| UTE TRIBAL 1-11D6            | 11 | 040S | 060W | 4301330482 | 6415  | 14-20-H62-3454 | OW | P |   |
| CARSON 2-36A1                | 36 | 010S | 010W | 4304731407 | 737   | 14-20-H62-3806 | OW | P |   |
| UTE 2-14C6                   | 14 | 030S | 060W | 4301330775 | 9133  | 14-20-H62-3809 | OW | P |   |
| DWR 3-14C6                   | 14 | 030S | 060W | 4301334003 | 17092 | 14-20-H62-3809 | OW | P |   |
| THE PERFECT "10" 1-10A1      | 10 | 010S | 010W | 4301330935 | 9461  | 14-20-H62-3855 | OW | P |   |
| BADGER-SAM H U MONGUS 1-15A1 | 15 | 010S | 010W | 4301330949 | 9462  | 14-20-H62-3860 | OW | P |   |
| MAXIMILLIAN-UTE 14-1         | 14 | 010S | 030W | 4301330726 | 8437  | 14-20-H62-3868 | OW | P |   |
| FRED BASSETT 1-22A1          | 22 | 010S | 010W | 4301330781 | 9460  | 14-20-H62-3880 | OW | P |   |
| UTE TRIBAL 1-30Z1            | 30 | 010N | 010W | 4301330813 | 9405  | 14-20-H62-3910 | OW | P |   |
| UTE LB 1-13A3                | 13 | 010S | 030W | 4301330894 | 9402  | 14-20-H62-3980 | OW | P |   |
| UTE 2-22B6                   | 22 | 020S | 060W | 4301331444 | 11641 | 14-20-H62-4614 | OW | P |   |
| UINTA OURAY 1-1A3            | 01 | 010S | 030W | 4301330132 | 5540  | 14-20-H62-4664 | OW | P |   |
| UTE 1-6D6                    | 06 | 040S | 060W | 4301331696 | 12058 | 14-20-H62-4752 | OW | P |   |
| UTE 2-11D6                   | 11 | 040S | 060W | 4301350179 | 17667 | 1420H624801    | OW | P |   |
| UTE 1-15D6                   | 15 | 040S | 060W | 4301330429 | 10958 | 14-20-H62-4824 | OW | P |   |
| UTE 2-15D6                   | 15 | 040S | 060W | 4301334026 | 17193 | 14-20-H62-4824 | OW | P |   |
| HILL 3-24C6                  | 24 | 030S | 060W | 4301350293 | 18020 | 1420H624866    | OW | P | C |
| BARCLAY UTE 2-24C6R          | 24 | 030S | 060W | 4301333730 | 16385 | 14-20-H62-4866 | OW | P |   |
| BROTHERSON 1-2B4             | 02 | 020S | 040W | 4301330062 | 1570  | FEE            | OW | P |   |
| BOREN 1-24A2                 | 24 | 010S | 020W | 4301330084 | 5740  | FEE            | OW | P |   |
| FARNSWORTH 1-13B5            | 13 | 020S | 050W | 4301330092 | 1610  | FEE            | OW | P |   |
| BROADHEAD 1-21B6             | 21 | 020S | 060W | 4301330100 | 1595  | FEE            | OW | P |   |
| ASAY E J 1-20A1              | 20 | 010S | 010W | 4301330102 | 8304  | FEE            | OW | P |   |
| HANSON TRUST 1-5B3           | 05 | 020S | 030W | 4301330109 | 1635  | FEE            | OW | P |   |
| ELLSWORTH 1-8B4              | 08 | 020S | 040W | 4301330112 | 1655  | FEE            | OW | P |   |
| ELLSWORTH 1-9B4              | 09 | 020S | 040W | 4301330118 | 1660  | FEE            | OW | P |   |
| ELLSWORTH 1-17B4             | 17 | 020S | 040W | 4301330126 | 1695  | FEE            | OW | P |   |
| CHANDLER 1-5B4               | 05 | 020S | 040W | 4301330140 | 1685  | FEE            | OW | P |   |
| HANSON 1-32A3                | 32 | 010S | 030W | 4301330141 | 1640  | FEE            | OW | P |   |
| JESSEN 1-17A4                | 17 | 010S | 040W | 4301330173 | 4725  | FEE            | OW | P |   |



|                            |    |      |      |            |       |     |    |   |  |
|----------------------------|----|------|------|------------|-------|-----|----|---|--|
| JENKINS 1-1B3              | 01 | 020S | 030W | 4301330175 | 1790  | FEE | OW | P |  |
| GOODRICH 1-2B3             | 02 | 020S | 030W | 4301330182 | 1765  | FEE | OW | P |  |
| ELLSWORTH 1-19B4           | 19 | 020S | 040W | 4301330183 | 1760  | FEE | OW | P |  |
| DOYLE 1-10B3               | 10 | 020S | 030W | 4301330187 | 1810  | FEE | OW | P |  |
| JOS. SMITH 1-17C5          | 17 | 030S | 050W | 4301330188 | 5510  | FEE | OW | P |  |
| RUDY 1-11B3                | 11 | 020S | 030W | 4301330204 | 1820  | FEE | OW | P |  |
| CROOK 1-6B4                | 06 | 020S | 040W | 4301330213 | 1825  | FEE | OW | P |  |
| HUNT 1-21B4                | 21 | 020S | 040W | 4301330214 | 1840  | FEE | OW | P |  |
| LAWRENCE 1-30B4            | 30 | 020S | 040W | 4301330220 | 1845  | FEE | OW | P |  |
| YOUNG 1-29B4               | 29 | 020S | 040W | 4301330246 | 1791  | FEE | OW | P |  |
| GRIFFITHS 1-33B4           | 33 | 020S | 040W | 4301330288 | 4760  | FEE | OW | P |  |
| POTTER 1-2B5               | 02 | 020S | 050W | 4301330293 | 1826  | FEE | OW | P |  |
| BROTHERSON 1-26B4          | 26 | 020S | 040W | 4301330336 | 1856  | FEE | OW | P |  |
| SADIE BLANK 1-33Z1         | 33 | 010N | 010W | 4301330355 | 765   | FEE | OW | P |  |
| POTTER 1-24B5              | 24 | 020S | 050W | 4301330356 | 1730  | FEE | OW | P |  |
| WHITEHEAD 1-22A3           | 22 | 010S | 030W | 4301330357 | 1885  | FEE | OW | P |  |
| CHASEL MILLER 2-1A2        | 01 | 010S | 020W | 4301330360 | 5830  | FEE | OW | P |  |
| ELDER 1-13B2               | 13 | 020S | 020W | 4301330366 | 1905  | FEE | OW | P |  |
| BROTHERSON 2-10B4          | 10 | 020S | 040W | 4301330443 | 1615  | FEE | OW | P |  |
| FARNSWORTH 2-7B4           | 07 | 020S | 040W | 4301330470 | 1935  | FEE | OW | P |  |
| TEW 1-15A3                 | 15 | 010S | 030W | 4301330529 | 1945  | FEE | OW | P |  |
| UTE FEE 2-20C5             | 20 | 030S | 050W | 4301330550 | 4527  | FEE | OW | P |  |
| HOUSTON 1-34Z1             | 34 | 010N | 010W | 4301330566 | 885   | FEE | OW | P |  |
| GALLOWAY 1-18B1            | 18 | 020S | 010W | 4301330575 | 2365  | FEE | OW | P |  |
| SMITH 1-31B5               | 31 | 020S | 050W | 4301330577 | 1955  | FEE | OW | P |  |
| LEBEAU 1-34A1              | 34 | 010S | 010W | 4301330590 | 1440  | FEE | OW | P |  |
| LINMAR 1-19B2              | 19 | 020S | 020W | 4301330600 | 9350  | FEE | OW | P |  |
| WISSE 1-28Z1               | 28 | 010N | 010W | 4301330609 | 905   | FEE | OW | P |  |
| POWELL 1-21B1              | 21 | 020S | 010W | 4301330621 | 910   | FEE | OW | P |  |
| HANSEN 1-24B3              | 24 | 020S | 030W | 4301330629 | 2390  | FEE | OW | P |  |
| OMAN 2-4B4                 | 04 | 020S | 040W | 4301330645 | 9125  | FEE | OW | P |  |
| DYE 1-25Z2                 | 25 | 010N | 020W | 4301330659 | 9111  | FEE | OW | P |  |
| H MARTIN 1-21Z1            | 21 | 010N | 010W | 4301330707 | 925   | FEE | OW | P |  |
| JENSEN 1-29Z1              | 29 | 010N | 010W | 4301330725 | 9110  | FEE | OW | P |  |
| CHASEL 2-17A1 V            | 17 | 010S | 010W | 4301330732 | 9112  | FEE | OW | P |  |
| BIRCHELL 1-27A1            | 27 | 010S | 010W | 4301330758 | 940   | FEE | OW | P |  |
| CHRISTENSEN 2-8B3          | 08 | 020S | 030W | 4301330780 | 9355  | FEE | OW | P |  |
| LAMICQ 2-5B2               | 05 | 020S | 020W | 4301330784 | 2302  | FEE | OW | P |  |
| BROTHERSON 2-14B4          | 14 | 020S | 040W | 4301330815 | 10450 | FEE | OW | P |  |
| MURRAY 3-2A2               | 02 | 010S | 020W | 4301330816 | 9620  | FEE | OW | P |  |
| HORROCKS 2-20A1 V          | 20 | 010S | 010W | 4301330833 | 8301  | FEE | OW | P |  |
| BROTHERSON 2-2B4           | 02 | 020S | 040W | 4301330855 | 8420  | FEE | OW | P |  |
| ELLSWORTH 2-8B4            | 08 | 020S | 040W | 4301330898 | 2418  | FEE | OW | P |  |
| OMAN 2-32A4                | 32 | 010S | 040W | 4301330904 | 10045 | FEE | OW | P |  |
| BELCHER 2-33B4             | 33 | 020S | 040W | 4301330907 | 9865  | FEE | OW | P |  |
| BROTHERSON 2-35B5          | 35 | 020S | 050W | 4301330908 | 9404  | FEE | OW | P |  |
| HORROCKS 2-4A1 T           | 04 | 010S | 010W | 4301330954 | 9855  | FEE | OW | P |  |
| JENSEN 2-29A5              | 29 | 010S | 050W | 4301330974 | 10040 | FEE | OW | P |  |
| UTE 2-34A4                 | 34 | 010S | 040W | 4301330978 | 10070 | FEE | OW | P |  |
| CHANDLER 2-5B4             | 05 | 020S | 040W | 4301331000 | 10075 | FEE | OW | P |  |
| BABCOCK 2-12B4             | 12 | 020S | 040W | 4301331005 | 10215 | FEE | OW | P |  |
| BADGER MR BOOM BOOM 2-29A1 | 29 | 010S | 010W | 4301331013 | 9463  | FEE | OW | P |  |
| BLEAZARD 2-18B4            | 18 | 020S | 040W | 4301331025 | 1566  | FEE | OW | P |  |
| BROADHEAD 2-32B5           | 32 | 020S | 050W | 4301331036 | 10216 | FEE | OW | P |  |
| ELLSWORTH 2-16B4           | 16 | 020S | 040W | 4301331046 | 10217 | FEE | OW | P |  |
| RUST 3-4B3                 | 04 | 020S | 030W | 4301331070 | 1576  | FEE | OW | P |  |
| HANSON TRUST 2-32A3        | 32 | 010S | 030W | 4301331072 | 1641  | FEE | OW | P |  |
| BROTHERSON 2-11B4          | 11 | 020S | 040W | 4301331078 | 1541  | FEE | OW | P |  |



|                        |    |      |      |            |       |     |    |   |  |
|------------------------|----|------|------|------------|-------|-----|----|---|--|
| HANSON TRUST 2-5B3     | 05 | 020S | 030W | 4301331079 | 1636  | FEE | OW | P |  |
| BROTHERSON 2-15B4      | 15 | 020S | 040W | 4301331103 | 1771  | FEE | OW | P |  |
| MONSEN 2-27A3          | 27 | 010S | 030W | 4301331104 | 1746  | FEE | OW | P |  |
| ELLSWORTH 2-19B4       | 19 | 020S | 040W | 4301331105 | 1761  | FEE | OW | P |  |
| HUNT 2-21B4            | 21 | 020S | 040W | 4301331114 | 1839  | FEE | OW | P |  |
| JENKINS 2-1B3          | 01 | 020S | 030W | 4301331117 | 1792  | FEE | OW | P |  |
| POTTER 2-24B5          | 24 | 020S | 050W | 4301331118 | 1731  | FEE | OW | P |  |
| POWELL 2-13A2 K        | 13 | 010S | 020W | 4301331120 | 8306  | FEE | OW | P |  |
| JENKINS 2-12B3         | 12 | 020S | 030W | 4301331121 | 10459 | FEE | OW | P |  |
| MURDOCK 2-26B5         | 26 | 020S | 050W | 4301331124 | 1531  | FEE | OW | P |  |
| BIRCH 3-27B5           | 27 | 020S | 050W | 4301331126 | 1783  | FEE | OW | P |  |
| ROBB 2-29B5            | 29 | 020S | 050W | 4301331130 | 10454 | FEE | OW | P |  |
| LAKE FORK 2-13B4       | 13 | 020S | 040W | 4301331134 | 10452 | FEE | OW | P |  |
| DUNCAN 3-1A2 K         | 01 | 010S | 020W | 4301331135 | 10484 | FEE | OW | P |  |
| HANSON 2-9B3           | 09 | 020S | 030W | 4301331136 | 10455 | FEE | OW | P |  |
| ELLSWORTH 2-9B4        | 09 | 020S | 040W | 4301331138 | 10460 | FEE | OW | P |  |
| UTE 2-31A2             | 31 | 010S | 020W | 4301331139 | 10458 | FEE | OW | P |  |
| POWELL 2-19A1 K        | 19 | 010S | 010W | 4301331149 | 8303  | FEE | OW | P |  |
| CEDAR RIM 8-A          | 22 | 030S | 060W | 4301331171 | 10666 | FEE | OW | P |  |
| POTTER 2-6B4           | 06 | 020S | 040W | 4301331249 | 11038 | FEE | OW | P |  |
| MILES 2-1B5            | 01 | 020S | 050W | 4301331257 | 11062 | FEE | OW | P |  |
| MILES 2-3B3            | 03 | 020S | 030W | 4301331261 | 11102 | FEE | OW | P |  |
| MONSEN 2-22A3          | 22 | 010S | 030W | 4301331265 | 11098 | FEE | OW | P |  |
| WRIGHT 2-13B5          | 13 | 020S | 050W | 4301331267 | 11115 | FEE | OW | P |  |
| TODD 2-21A3            | 21 | 010S | 030W | 4301331296 | 11268 | FEE | OW | P |  |
| WEIKART 2-29B4         | 29 | 020S | 040W | 4301331298 | 11332 | FEE | OW | P |  |
| YOUNG 2-15A3           | 15 | 010S | 030W | 4301331301 | 11344 | FEE | OW | P |  |
| CHRISTENSEN 2-29A4     | 29 | 010S | 040W | 4301331303 | 11235 | FEE | OW | P |  |
| BLEAZARD 2-28B4        | 28 | 020S | 040W | 4301331304 | 11433 | FEE | OW | P |  |
| REARY 2-17A3           | 17 | 010S | 030W | 4301331318 | 11251 | FEE | OW | P |  |
| LAZY K 2-11B3          | 11 | 020S | 030W | 4301331352 | 11362 | FEE | OW | P |  |
| LAZY K 2-14B3          | 14 | 020S | 030W | 4301331354 | 11452 | FEE | OW | P |  |
| MATTHEWS 2-13B2        | 13 | 020S | 020W | 4301331357 | 11374 | FEE | OW | P |  |
| LAKE FORK 3-15B4       | 15 | 020S | 040W | 4301331358 | 11378 | FEE | OW | P |  |
| STEVENSON 3-29A3       | 29 | 010S | 030W | 4301331376 | 11442 | FEE | OW | P |  |
| MEEKS 3-8B3            | 08 | 020S | 030W | 4301331377 | 11489 | FEE | OW | P |  |
| ELLSWORTH 3-20B4       | 20 | 020S | 040W | 4301331389 | 11488 | FEE | OW | P |  |
| DUNCAN 5-13A2          | 13 | 010S | 020W | 4301331516 | 11776 | FEE | OW | P |  |
| OWL 3-17C5             | 17 | 030S | 050W | 4301332112 | 12476 | FEE | OW | P |  |
| BROTHERSON 2-24 B4     | 24 | 020S | 040W | 4301332695 | 14652 | FEE | OW | P |  |
| BODRERO 2-15B3         | 15 | 020S | 030W | 4301332755 | 14750 | FEE | OW | P |  |
| BROTHERSON 2-25B4      | 25 | 020S | 040W | 4301332791 | 15044 | FEE | OW | P |  |
| CABINLAND 2-16B3       | 16 | 020S | 030W | 4301332914 | 15236 | FEE | OW | P |  |
| KATHERINE 3-29B4       | 29 | 020S | 040W | 4301332923 | 15331 | FEE | OW | P |  |
| SHRINERS 2-10C5        | 10 | 030S | 050W | 4301333008 | 15908 | FEE | OW | P |  |
| BROTHERSON 2-26B4      | 26 | 020S | 040W | 4301333139 | 17047 | FEE | OW | P |  |
| MORTENSEN 4-32A2       | 32 | 010S | 020W | 4301333211 | 15720 | FEE | OW | P |  |
| FERRARINI 3-27B4       | 27 | 020S | 040W | 4301333265 | 15883 | FEE | OW | P |  |
| RHOADES 2-25B5         | 25 | 020S | 050W | 4301333467 | 16046 | FEE | OW | P |  |
| CASE 2-31B4            | 31 | 020S | 040W | 4301333548 | 16225 | FEE | OW | P |  |
| ANDERSON-ROWLEY 2-24B3 | 24 | 020S | 030W | 4301333616 | 16284 | FEE | OW | P |  |
| SPROUSE BOWDEN 2-18B1  | 18 | 020S | 010W | 4301333808 | 16677 | FEE | OW | P |  |
| BROTHERSON 3-11B4      | 11 | 020S | 040W | 4301333904 | 16891 | FEE | OW | P |  |
| KOFFORD 2-36B5         | 36 | 020S | 050W | 4301333988 | 17048 | FEE | OW | P |  |
| ALLEN 3-7B4            | 07 | 020S | 040W | 4301334027 | 17166 | FEE | OW | P |  |
| BOURNAKIS 3-18B4       | 18 | 020S | 040W | 4301334091 | 17264 | FEE | OW | P |  |
| MILES 3-12B5           | 12 | 020S | 050W | 4301334110 | 17316 | FEE | OW | P |  |
| OWL and HAWK 2-31B5    | 31 | 020S | 050W | 4301334123 | 17388 | FEE | OW | P |  |



|                               |    |      |      |            |       |     |    |   |   |
|-------------------------------|----|------|------|------------|-------|-----|----|---|---|
| OWL and HAWK 4-17C5           | 17 | 030S | 050W | 4301334193 | 17387 | FEE | OW | P |   |
| DWR 3-32B5                    | 32 | 020S | 050W | 4301334207 | 17371 | FEE | OW | P |   |
| LAKE FORK RANCH 3-22B4        | 22 | 020S | 040W | 4301334261 | 17409 | FEE | OW | P |   |
| HANSON 3-9B3                  | 09 | 020S | 030W | 4301350065 | 17570 | FEE | OW | P |   |
| DYE 2-28A1                    | 28 | 010S | 010W | 4301350066 | 17531 | FEE | OW | P |   |
| MEEKS 3-32A4                  | 32 | 010S | 040W | 4301350069 | 17605 | FEE | OW | P |   |
| HANSON 4-8B3                  | 08 | 020S | 030W | 4301350088 | 17571 | FEE | OW | P | C |
| LAKE FORK RANCH 3-14B4        | 14 | 020S | 040W | 4301350097 | 17484 | FEE | OW | P |   |
| ALLEN 3-9B4                   | 09 | 020S | 040W | 4301350123 | 17656 | FEE | OW | P |   |
| HORROCKS 4-20A1               | 20 | 010S | 010W | 4301350155 | 17916 | FEE | OW | P |   |
| HURLEY 2-33A1                 | 33 | 010S | 010W | 4301350166 | 17573 | FEE | OW | P |   |
| HUTCHINS/CHIODO 3-20C5        | 20 | 030S | 050W | 4301350190 | 17541 | FEE | OW | P |   |
| ALLEN 3-8B4                   | 08 | 020S | 040W | 4301350192 | 17622 | FEE | OW | P |   |
| OWL and HAWK 3-10C5           | 10 | 030S | 050W | 4301350193 | 17532 | FEE | OW | P |   |
| OWL and HAWK 3-19C5           | 19 | 030S | 050W | 4301350201 | 17508 | FEE | OW | P |   |
| EL PASO 4-29B5                | 29 | 020S | 050W | 4301350208 | 17934 | FEE | OW | P | C |
| DONIHUE 3-20C6                | 20 | 030S | 060W | 4301350270 | 17762 | FEE | OW | P |   |
| HANSON 3-5B3                  | 05 | 020S | 030W | 4301350275 | 17725 | FEE | OW | P | C |
| SPRATT 3-26B5                 | 26 | 020S | 050W | 4301350302 | 17668 | FEE | OW | P |   |
| REBEL 3-35B5                  | 35 | 020S | 050W | 4301350388 | 17911 | FEE | OW | P | C |
| FREEMAN 4-16B4                | 16 | 020S | 040W | 4301350438 | 17935 | Fee | OW | P | C |
| WILSON 3-36B5                 | 36 | 020S | 050W | 4301350439 | 17936 | Fee | OW | P | C |
| EL PASO 3-21B4                | 21 | 020S | 040W | 4301350474 | 18123 | Fee | OW | P | C |
| IORG 4-12B3                   | 12 | 020S | 030W | 4301350487 | 17981 | Fee | OW | P | C |
| CONOVER 3-3B3                 | 03 | 020S | 030W | 4301350526 | 18122 | Fee | OW | P | C |
| ROWLEY 3-16B4                 | 16 | 020S | 040W | 4301350569 | 18151 | Fee | OW | P | C |
| POTTS 3-14B3                  | 14 | 020S | 030W | 4301350570 | 18366 | Fee | OW | P | C |
| POTTER 4-27B5                 | 27 | 020S | 050W | 4301350571 | 99999 | Fee | OW | P | C |
| EL PASO 4-21B4                | 21 | 020S | 040W | 4301350572 | 18152 | Fee | OW | P | C |
| LAKE FORK RANCH 3-26B4        | 26 | 020S | 040W | 4301350707 | 18270 | Fee | OW | P | C |
| LAKE FORK RANCH 3-25B4        | 25 | 020S | 040W | 4301350711 | 18220 | Fee | OW | P | C |
| LAKE FORK RANCH 4-23B4        | 23 | 020S | 040W | 4301350713 | 18271 | Fee | OW | P | C |
| LAKE FORK RANCH 4-15B4        | 15 | 020S | 040W | 4301350715 | 18314 | Fee | OW | P | C |
| LAKE FORK RANCH 3-24B4        | 24 | 020S | 040W | 4301350716 | 18269 | Fee | OW | P | C |
| GOLINSKI 1-8C4                | 08 | 030S | 040W | 4301350986 | 18301 | Fee | OW | P | C |
| J ROBERTSON 1-1B1             | 01 | 020S | 010W | 4304730174 | 5370  | FEE | OW | P |   |
| TIMOTHY 1-8B1E                | 08 | 020S | 010E | 4304730215 | 1910  | FEE | OW | P |   |
| MAGDALENE PAPADOPULOS 1-34A1E | 34 | 010S | 010E | 4304730241 | 785   | FEE | OW | P |   |
| NELSON 1-31A1E                | 31 | 010S | 010E | 4304730671 | 830   | FEE | OW | P |   |
| ROSEMARY LLOYD 1-24A1E        | 24 | 010S | 010E | 4304730707 | 840   | FEE | OW | P |   |
| H D LANDY 1-30A1E             | 30 | 010S | 010E | 4304730790 | 845   | FEE | OW | P |   |
| WALKER 1-14A1E                | 14 | 010S | 010E | 4304730805 | 855   | FEE | OW | P |   |
| BOLTON 2-29A1E                | 29 | 010S | 010E | 4304731112 | 900   | FEE | OW | P |   |
| PRESCOTT 1-35Z1               | 35 | 010N | 010W | 4304731173 | 1425  | FEE | OW | P |   |
| BISEL GURR 11-1               | 11 | 010S | 010W | 4304731213 | 8438  | FEE | OW | P |   |
| UTE TRIBAL 2-22A1E            | 22 | 010S | 010E | 4304731265 | 915   | FEE | OW | P |   |
| L. BOLTON 1-12A1              | 12 | 010S | 010W | 4304731295 | 920   | FEE | OW | P |   |
| FOWLES 1-26A1                 | 26 | 010S | 010W | 4304731296 | 930   | FEE | OW | P |   |
| BRADLEY 23-1                  | 23 | 010S | 010W | 4304731297 | 8435  | FEE | OW | P |   |
| BASTIAN 1-2A1                 | 02 | 010S | 010W | 4304731373 | 736   | FEE | OW | P |   |
| D R LONG 2-19A1E              | 19 | 010S | 010E | 4304731470 | 9505  | FEE | OW | P |   |
| D MOON 1-23Z1                 | 23 | 010N | 010W | 4304731479 | 10310 | FEE | OW | P |   |
| O MOON 2-26Z1                 | 26 | 010N | 010W | 4304731480 | 10135 | FEE | OW | P |   |
| LILA D 2-25A1                 | 25 | 010S | 010W | 4304731797 | 10790 | FEE | OW | P |   |
| LANDY 2-30A1E                 | 30 | 010S | 010E | 4304731895 | 11127 | FEE | OW | P |   |
| WINN P2-3B1E                  | 03 | 020S | 010E | 4304732321 | 11428 | FEE | OW | P |   |
| BISEL-GURR 2-11A1             | 11 | 010S | 010W | 4304735410 | 14428 | FEE | OW | P |   |
| FLYING J FEE 2-12A1           | 12 | 010S | 010W | 4304739467 | 16686 | FEE | OW | P |   |



|                                  |    |      |      |            |       |             |    |    |  |
|----------------------------------|----|------|------|------------|-------|-------------|----|----|--|
| HARVEST FELLOWSHIP CHURCH 2-14B1 | 14 | 020S | 010W | 4304739591 | 16546 | FEE         | OW | P  |  |
| OBERHANSKY 3-11A1                | 11 | 010S | 010W | 4304739679 | 17937 | FEE         | OW | P  |  |
| DUNCAN 2-34A1                    | 34 | 010S | 010W | 4304739944 | 17043 | FEE         | OW | P  |  |
| BISEL GURR 4-11A1                | 11 | 010S | 010W | 4304739961 | 16791 | FEE         | OW | P  |  |
| KILLIAN 3-12A1                   | 12 | 010S | 010W | 4304740226 | 17761 | ML 39760    | OW | P  |  |
| WAINOCO ST 1-14B1                | 14 | 020S | 010W | 4304730818 | 1420  | ML-24306-A  | OW | P  |  |
| UTAH ST UTE 1-35A1               | 35 | 010S | 010W | 4304730182 | 5520  | ML-25432    | OW | P  |  |
| STATE 1-19A4                     | 19 | 010S | 040W | 4301330322 | 9118  | ML-27912    | OW | P  |  |
| FEDERAL 2-28E19E                 | 28 | 050S | 190E | 4304732849 | 12117 | UTU-0143512 | OW | P  |  |
| FEDERAL 1-28E19E                 | 28 | 050S | 190E | 4304730175 | 5680  | UTU143512   | OW | P  |  |
| BLANCHARD 1-3A2                  | 03 | 010S | 020W | 4301320316 | 5877  | FEE         | OW | PA |  |
| W H BLANCHARD 2-3A2              | 03 | 010S | 020W | 4301330008 | 5775  | FEE         | OW | PA |  |
| YACK U 1-7A1                     | 07 | 010S | 010W | 4301330018 | 5795  | FEE         | OW | PA |  |
| JAMES POWELL 3                   | 13 | 010S | 020W | 4301330024 | 8305  | FEE         | WD | PA |  |
| BASTIAN 1 (3-7D)                 | 07 | 010S | 010W | 4301330026 | 5800  | FEE         | OW | PA |  |
| LAMICQ-URRUTY 1-8A2              | 08 | 010S | 020W | 4301330036 | 5975  | FEE         | OW | PA |  |
| BLEAZARD 1-18B4                  | 18 | 020S | 040W | 4301330059 | 11262 | FEE         | OW | PA |  |
| OLSEN 1-27A4                     | 27 | 010S | 040W | 4301330064 | 1565  | FEE         | OW | PA |  |
| EVANS 1-31A4                     | 31 | 010S | 040W | 4301330067 | 5330  | FEE         | OW | PA |  |
| HAMBLIN 1-26A2                   | 26 | 010S | 020W | 4301330083 | 2305  | FEE         | OW | PA |  |
| HARTMAN 1-31A3                   | 31 | 010S | 030W | 4301330093 | 10700 | FEE         | OW | PA |  |
| FARNSWORTH 1-7B4                 | 07 | 020S | 040W | 4301330097 | 5725  | FEE         | OW | PA |  |
| POWELL 1-33A3                    | 33 | 010S | 030W | 4301330105 | 4526  | FEE         | OW | PA |  |
| LOTRIDGE GATES 1-3B3             | 03 | 020S | 030W | 4301330117 | 1625  | FEE         | OW | PA |  |
| REMINGTON 1-34A3                 | 34 | 010S | 030W | 4301330139 | 1670  | FEE         | OW | PA |  |
| ANDERSON 1-28A2                  | 28 | 010S | 020W | 4301330150 | 5895  | FEE         | OW | PA |  |
| RHOADES MOON 1-35B5              | 35 | 020S | 050W | 4301330155 | 5270  | FEE         | OW | PA |  |
| JOHN 1-3B2                       | 03 | 020S | 020W | 4301330160 | 5765  | FEE         | OW | PA |  |
| SMITH 1-6C5                      | 06 | 030S | 050W | 4301330163 | 5385  | FEE         | OW | PA |  |
| HORROCKS FEE 1-3A1               | 03 | 010S | 010W | 4301330171 | 5505  | FEE         | OW | PA |  |
| WARREN 1-32A4                    | 32 | 010S | 040W | 4301330174 | 9139  | FEE         | OW | PA |  |
| JENSEN FENZEL 1-20C5             | 20 | 030S | 050W | 4301330177 | 4730  | FEE         | OW | PA |  |
| MYRIN RANCH 1-13B4               | 13 | 020S | 040W | 4301330180 | 4524  | FEE         | OW | PA |  |
| BROTHERSON 1-27B4                | 27 | 020S | 040W | 4301330185 | 1775  | FEE         | OW | PA |  |
| JENSEN 1-31A5                    | 31 | 010S | 050W | 4301330186 | 4735  | FEE         | OW | PA |  |
| ROBERTSON 1-29A2                 | 29 | 010S | 020W | 4301330189 | 4740  | FEE         | OW | PA |  |
| WINKLER 1-28A3                   | 28 | 010S | 030W | 4301330191 | 5465  | FEE         | OW | PA |  |
| CHENEY 1-33A2                    | 33 | 010S | 020W | 4301330202 | 1750  | FEE         | OW | PA |  |
| J LAMICQ STATE 1-6B1             | 06 | 020S | 010W | 4301330210 | 5730  | FEE         | OW | PA |  |
| REESE ESTATE 1-10B2              | 10 | 020S | 020W | 4301330215 | 5700  | FEE         | OW | PA |  |
| REEDER 1-17B5                    | 17 | 020S | 050W | 4301330218 | 5460  | FEE         | OW | PA |  |
| ROBERTSON UTE 1-2B2              | 02 | 020S | 020W | 4301330225 | 1710  | FEE         | OW | PA |  |
| HATCH 1-5B1                      | 05 | 020S | 010W | 4301330226 | 5470  | FEE         | OW | PA |  |
| BROTHERSON 1-22B4                | 22 | 020S | 040W | 4301330227 | 5935  | FEE         | OW | PA |  |
| ALLRED 1-16A3                    | 16 | 010S | 030W | 4301330232 | 1780  | FEE         | OW | PA |  |
| BIRCH 1-35A5                     | 35 | 010S | 050W | 4301330233 | 9116  | FEE         | OW | PA |  |
| MARQUERITE UTE 1-8B2             | 08 | 020S | 020W | 4301330235 | 9122  | FEE         | OW | PA |  |
| BUZZI 1-11B2                     | 11 | 020S | 020W | 4301330248 | 6335  | FEE         | OW | PA |  |
| SHISLER 1-3B1                    | 03 | 020S | 010W | 4301330249 | 5960  | FEE         | OW | PA |  |
| TEW 1-1B5                        | 01 | 020S | 050W | 4301330264 | 5580  | FEE         | OW | PA |  |
| EVANS UTE 1-19B3                 | 19 | 020S | 030W | 4301330265 | 1870  | FEE         | OW | PA |  |
| SHELL 2-27A4                     | 27 | 010S | 040W | 4301330266 | 1776  | FEE         | WD | PA |  |
| DYE 1-29A1                       | 29 | 010S | 010W | 4301330271 | 99990 | FEE         | OW | PA |  |
| VODA UTE 1-4C5                   | 04 | 030S | 050W | 4301330283 | 4530  | FEE         | OW | PA |  |
| BROTHERSON 1-28A4                | 28 | 010S | 040W | 4301330292 | 9114  | FEE         | OW | PA |  |
| MEAGHER 1-4B2                    | 04 | 020S | 020W | 4301330313 | 8402  | FEE         | OW | PA |  |
| NORLING 1-9B1                    | 09 | 020S | 010W | 4301330315 | 1811  | FEE         | OW | PA |  |
| S. BROADHEAD 1-9C5               | 09 | 030S | 050W | 4301330316 | 5940  | FEE         | OW | PA |  |



|                        |    |      |      |            |       |                |    |    |
|------------------------|----|------|------|------------|-------|----------------|----|----|
| TIMOTHY 1-09A3         | 09 | 010S | 030W | 4301330321 | 10883 | FEE            | OW | PA |
| BARRETT 1-34A5         | 34 | 010S | 050W | 4301330323 | 9115  | FEE            | OW | PA |
| MEAGHER TRIBAL 1-9B2   | 09 | 020S | 020W | 4301330325 | 9121  | FEE            | OW | PA |
| PHILLIPS UTE 1-3C5     | 03 | 030S | 050W | 4301330333 | 1816  | FEE            | OW | PA |
| ELLSWORTH 1-20B4       | 20 | 020S | 040W | 4301330351 | 6375  | FEE            | OW | PA |
| LAWSON 1-28A1          | 28 | 010S | 010W | 4301330358 | 5915  | FEE            | OW | PA |
| AMES 1-23A4            | 23 | 010S | 040W | 4301330375 | 1901  | FEE            | OW | PA |
| HORROCKS 1-6A1         | 06 | 010S | 010W | 4301330390 | 5675  | FEE            | OW | PA |
| SHRINE HOSPITAL 1-10C5 | 10 | 030S | 050W | 4301330393 | 5565  | FEE            | OW | PA |
| GOODRICH 1-18B2        | 18 | 020S | 020W | 4301330397 | 5485  | FEE            | OW | PA |
| SWD POWELL 3           | 13 | 010S | 020W | 4301330478 | 10708 | FEE            | WD | PA |
| BODRERO 1-15B3         | 15 | 020S | 030W | 4301330565 | 4534  | FEE            | OW | PA |
| MOON TRIBAL 1-30C4     | 30 | 030S | 040W | 4301330576 | 2360  | FEE            | OW | PA |
| DUNCAN 2-9B5           | 09 | 020S | 050W | 4301330719 | 5440  | FEE            | OW | PA |
| FISHER 1-16A4          | 16 | 010S | 040W | 4301330737 | 2410  | FEE            | OW | PA |
| URRUTY 2-34A2          | 34 | 010S | 020W | 4301330753 | 9117  | FEE            | OW | PA |
| GOODRICH 1-24A4        | 24 | 010S | 040W | 4301330760 | 2415  | FEE            | OW | PA |
| CARL SMITH 2-25A4      | 25 | 010S | 040W | 4301330776 | 9136  | FEE            | OW | PA |
| ANDERSON 1-A30B1       | 30 | 020S | 010W | 4301330783 | 9137  | FEE            | OW | PA |
| CADILLAC 3-6A1         | 06 | 010S | 010W | 4301330834 | 6316  | FEE            | OW | PA |
| MCELPRANG 2-31A1       | 31 | 010S | 010W | 4301330836 | 8439  | FEE            | OW | PA |
| REESE ESTATE 2-10B2    | 10 | 020S | 020W | 4301330837 | 2417  | FEE            | OW | PA |
| CLARK 2-9A3            | 09 | 010S | 030W | 4301330876 | 2416  | FEE            | OW | PA |
| JENKINS 3-16A3         | 16 | 010S | 030W | 4301330877 | 9790  | FEE            | OW | PA |
| CHRISTENSEN 2-26A5     | 26 | 010S | 050W | 4301330905 | 10710 | FEE            | OW | PA |
| FORD 2-36A5            | 36 | 010S | 050W | 4301330911 | 9630  | FEE            | OW | PA |
| MORTENSEN 2-32A2       | 32 | 010S | 020W | 4301330929 | 9486  | FEE            | OW | PA |
| WILKERSON 1-20Z1       | 20 | 010N | 010W | 4301330942 | 5452  | FEE            | OW | PA |
| UTE TRIBAL 2-4A3 S     | 04 | 010S | 030W | 4301330950 | 10230 | FEE            | OW | PA |
| OBERHANSKY 2-31Z1      | 31 | 010N | 010W | 4301330970 | 9262  | FEE            | OW | PA |
| MORRIS 2-7A3           | 07 | 010S | 030W | 4301330977 | 9725  | FEE            | OW | PA |
| POWELL 2-08A3          | 08 | 010S | 030W | 4301330979 | 10175 | FEE            | OW | PA |
| FISHER 2-6A3           | 06 | 010S | 030W | 4301330984 | 10110 | FEE            | OW | PA |
| JACOBSEN 2-12A4        | 12 | 010S | 040W | 4301330985 | 10480 | FEE            | OW | PA |
| CHENEY 2-33A2          | 33 | 010S | 020W | 4301331042 | 10313 | FEE            | OW | PA |
| HANSON TRUST 2-29A3    | 29 | 010S | 030W | 4301331043 | 5306  | FEE            | OW | PA |
| BURTON 2-15B5          | 15 | 020S | 050W | 4301331044 | 10205 | FEE            | OW | PA |
| EVANS-UTE 2-17B3       | 17 | 020S | 030W | 4301331056 | 10210 | FEE            | OW | PA |
| ELLSWORTH 2-20B4       | 20 | 020S | 040W | 4301331090 | 5336  | FEE            | OW | PA |
| REMINGTON 2-34A3       | 34 | 010S | 030W | 4301331091 | 1902  | FEE            | OW | PA |
| WINKLER 2-28A3         | 28 | 010S | 030W | 4301331109 | 4519  | FEE            | OW | PA |
| TEW 2-10B5             | 10 | 020S | 050W | 4301331125 | 1751  | FEE            | OW | PA |
| LINDSAY 2-33A4         | 33 | 010S | 040W | 4301331141 | 1756  | FEE            | OW | PA |
| FIELDSTED 2-28A4       | 28 | 010S | 040W | 4301331293 | 10665 | FEE            | OW | PA |
| POWELL 4-13A2          | 13 | 010S | 020W | 4301331336 | 11177 | FEE            | GW | PA |
| DUMP 2-20A3            | 20 | 010S | 030W | 4301331505 | 11691 | FEE            | OW | PA |
| SMITH 2X-23C7          | 23 | 030S | 070W | 4301331634 | 12382 | FEE            | D  | PA |
| MORTENSEN 3-32A2       | 32 | 010S | 020W | 4301331872 | 11928 | FEE            | OW | PA |
| TODD USA ST 1-2B1      | 02 | 020S | 010W | 4304730167 | 99998 | FEE            | OW | PA |
| STATE 1-7B1E           | 07 | 020S | 010E | 4304730180 | 5555  | FEE            | OW | PA |
| BACON 1-10B1E          | 10 | 020S | 010E | 4304730881 | 5550  | FEE            | OW | PA |
| PARIETTE DRAW 28-44    | 28 | 040S | 010E | 4304731408 | 4537  | FEE            | OW | PA |
| REYNOLDS 2-7B1E        | 07 | 020S | 010E | 4304731840 | 4960  | FEE            | OW | PA |
| STATE 2-35A2           | 35 | 010S | 020W | 4301330156 | 4715  | ML-22874       | OW | PA |
| UTAH STATE L B 1-11B1  | 11 | 020S | 010W | 4304730171 | 5530  | ML-23655       | OW | PA |
| STATE 1-8A3            | 08 | 010S | 030W | 4301330286 | 5655  | ML-24316       | OW | PA |
| UTAH FEDERAL 1-24B1    | 24 | 020S | 010W | 4304730220 | 590   | ML-26079       | OW | PA |
| CEDAR RIM 15           | 34 | 030S | 060W | 4301330383 | 6395  | 14-20-462-1329 | OW | S  |



|                           |    |      |      |            |       |                |    |   |  |
|---------------------------|----|------|------|------------|-------|----------------|----|---|--|
| UTE TRIBAL 2-24C7         | 24 | 030S | 070W | 4301331028 | 10240 | 14-20-H62-1135 | OW | S |  |
| CEDAR RIM 12              | 28 | 030S | 060W | 4301330344 | 6370  | 14-20-H62-1323 | OW | S |  |
| CEDAR RIM 16              | 33 | 030S | 060W | 4301330363 | 6390  | 14-20-H62-1328 | OW | S |  |
| SPRING HOLLOW 2-34Z3      | 34 | 010N | 030W | 4301330234 | 5255  | 14-20-H62-1480 | OW | S |  |
| EVANS UTE 1-17B3          | 17 | 020S | 030W | 4301330274 | 5335  | 14-20-H62-1733 | OW | S |  |
| UTE JENKS 2-1-B4 G        | 01 | 020S | 040W | 4301331197 | 10844 | 14-20-H62-1782 | OW | S |  |
| UTE 3-12B3                | 12 | 020S | 030W | 4301331379 | 11490 | 14-20-H62-1810 | OW | S |  |
| UTE TRIBAL 9-4B1          | 04 | 020S | 010W | 4301330194 | 5715  | 14-20-H62-1969 | OW | S |  |
| UTE TRIBAL 2-21B6         | 21 | 020S | 060W | 4301331424 | 11615 | 14-20-H62-2489 | OW | S |  |
| UTE 1-33B6                | 33 | 020S | 060W | 4301330441 | 1230  | 14-20-H62-2493 | OW | S |  |
| UTE 2-22B5                | 22 | 020S | 050W | 4301331122 | 10453 | 14-20-H62-2509 | OW | S |  |
| UTE 1-18B1E               | 18 | 020S | 010E | 4304730969 | 9135  | 14-20-H62-2864 | OW | S |  |
| LAUREN UTE 1-23A3         | 23 | 010S | 030W | 4301330895 | 9403  | 14-20-H62-3981 | OW | S |  |
| UTE 2-28B6                | 28 | 020S | 060W | 4301331434 | 11624 | 14-20-H62-4622 | OW | S |  |
| UTE 1-27B6X               | 27 | 020S | 060W | 4301330517 | 11166 | 14-20-H62-4631 | OW | S |  |
| UTE 2-27B6                | 27 | 020S | 060W | 4301331449 | 11660 | 14-20-H62-4631 | OW | S |  |
| CEDAR RIM 10-15C6         | 15 | 030S | 060W | 4301330328 | 6365  | 14-20-H62-4724 | OW | S |  |
| UTE 5-30A2                | 30 | 010S | 020W | 4301330169 | 5910  | 14-20-H62-4863 | OW | S |  |
| UTE TRIBAL G-1 (1-24C6)   | 24 | 030S | 060W | 4301330298 | 4533  | 14-20-H62-4866 | OW | S |  |
| UTE TRIBAL FEDERAL 1-30C5 | 30 | 030S | 050W | 4301330475 | 665   | 14-20-H62-4876 | OW | S |  |
| SMB 1-10A2                | 10 | 010S | 020W | 4301330012 | 5865  | FEE            | OW | S |  |
| KENDALL 1-12A2            | 12 | 010S | 020W | 4301330013 | 5875  | FEE            | OW | S |  |
| CEDAR RIM 2               | 20 | 030S | 060W | 4301330019 | 6315  | FEE            | OW | S |  |
| URRUTY 2-9A2              | 09 | 010S | 020W | 4301330046 | 5855  | FEE            | OW | S |  |
| BROTHERSON 1-14B4         | 14 | 020S | 040W | 4301330051 | 1535  | FEE            | OW | S |  |
| RUST 1-4B3                | 04 | 020S | 030W | 4301330063 | 1575  | FEE            | OW | S |  |
| MONSEN 1-21A3             | 21 | 010S | 030W | 4301330082 | 1590  | FEE            | OW | S |  |
| BROTHERSON 1-10B4         | 10 | 020S | 040W | 4301330110 | 1614  | FEE            | OW | S |  |
| FARNSWORTH 1-12B5         | 12 | 020S | 050W | 4301330124 | 1645  | FEE            | OW | S |  |
| ELLSWORTH 1-16B4          | 16 | 020S | 040W | 4301330192 | 1735  | FEE            | OW | S |  |
| MARSHALL 1-20A3           | 20 | 010S | 030W | 4301330193 | 9340  | FEE            | OW | S |  |
| CHRISTMAN BLAND 1-31B4    | 31 | 020S | 040W | 4301330198 | 4745  | FEE            | OW | S |  |
| ROPER 1-14B3              | 14 | 020S | 030W | 4301330217 | 1850  | FEE            | OW | S |  |
| BROTHERSON 1-24B4         | 24 | 020S | 040W | 4301330229 | 1865  | FEE            | OW | S |  |
| BROTHERSON 1-33A4         | 33 | 010S | 040W | 4301330272 | 1680  | FEE            | OW | S |  |
| BROTHERSON 1-23B4         | 23 | 020S | 040W | 4301330483 | 8423  | FEE            | OW | S |  |
| SMITH ALBERT 2-8C5        | 08 | 030S | 050W | 4301330543 | 5495  | FEE            | OW | S |  |
| VODA JOSEPHINE 2-19C5     | 19 | 030S | 050W | 4301330553 | 5650  | FEE            | OW | S |  |
| HANSEN 1-16B3             | 16 | 020S | 030W | 4301330617 | 9124  | FEE            | OW | S |  |
| BROTHERSON 1-25B4         | 25 | 020S | 040W | 4301330668 | 9126  | FEE            | OW | S |  |
| POWELL 2-33A3             | 33 | 010S | 030W | 4301330704 | 2400  | FEE            | OW | S |  |
| BROWN 2-28B5              | 28 | 020S | 050W | 4301330718 | 9131  | FEE            | OW | S |  |
| EULA-UTE 1-16A1           | 16 | 010S | 010W | 4301330782 | 8443  | FEE            | OW | S |  |
| JESSEN 1-15A4             | 15 | 010S | 040W | 4301330817 | 9345  | FEE            | OW | S |  |
| R HOUSTON 1-22Z1          | 22 | 010N | 010W | 4301330884 | 936   | FEE            | OW | S |  |
| FIELDSTED 2-27A4          | 27 | 010S | 040W | 4301330915 | 9632  | FEE            | OW | S |  |
| HANSKUTT 2-23B5           | 23 | 020S | 050W | 4301330917 | 9600  | FEE            | OW | S |  |
| TIMOTHY 3-18A3            | 18 | 010S | 030W | 4301330940 | 9633  | FEE            | OW | S |  |
| BROTHERSON 2-3B4          | 03 | 020S | 040W | 4301331008 | 10165 | FEE            | OW | S |  |
| BROTHERSON 2-22B4         | 22 | 020S | 040W | 4301331086 | 1782  | FEE            | OW | S |  |
| MILES 2-35A4              | 35 | 010S | 040W | 4301331087 | 1966  | FEE            | OW | S |  |
| ELLSWORTH 2-17B4          | 17 | 020S | 040W | 4301331089 | 1696  | FEE            | OW | S |  |
| RUST 2-36A4               | 36 | 010S | 040W | 4301331092 | 1577  | FEE            | OW | S |  |
| EVANS 2-19B3              | 19 | 020S | 030W | 4301331113 | 1777  | FEE            | OW | S |  |
| FARNSWORTH 2-12B5         | 12 | 020S | 050W | 4301331115 | 1646  | FEE            | OW | S |  |
| CHRISTENSEN 3-4B4         | 04 | 020S | 040W | 4301331142 | 10481 | FEE            | OW | S |  |
| ROBERTSON 2-29A2          | 29 | 010S | 020W | 4301331150 | 10679 | FEE            | OW | S |  |
| CEDAR RIM 2A              | 20 | 030S | 060W | 4301331172 | 10671 | FEE            | OW | S |  |



|                    |    |      |      |            |       |     |    |    |  |
|--------------------|----|------|------|------------|-------|-----|----|----|--|
| HARTMAN 2-31A3     | 31 | 010S | 030W | 4301331243 | 11026 | FEE | OW | S  |  |
| GOODRICH 2-2B3     | 02 | 020S | 030W | 4301331246 | 11037 | FEE | OW | S  |  |
| JESSEN 2-21A4      | 21 | 010S | 040W | 4301331256 | 11061 | FEE | OW | S  |  |
| BROTHERSON 3-23B4  | 23 | 020S | 040W | 4301331289 | 11141 | FEE | OW | S  |  |
| MYRIN RANCH 2-18B3 | 18 | 020S | 030W | 4301331297 | 11475 | FEE | OW | S  |  |
| BROTHERSON 2-2B5   | 02 | 020S | 050W | 4301331302 | 11342 | FEE | OW | S  |  |
| DASTRUP 2-30A3     | 30 | 010S | 030W | 4301331320 | 11253 | FEE | OW | S  |  |
| YOUNG 2-30B4       | 30 | 020S | 040W | 4301331366 | 11453 | FEE | OW | S  |  |
| IORG 2-10B3        | 10 | 020S | 030W | 4301331388 | 11482 | FEE | OW | S  |  |
| MONSEN 3-27A3      | 27 | 010S | 030W | 4301331401 | 11686 | FEE | OW | S  |  |
| HORROCKS 2-5B1E    | 05 | 020S | 010E | 4304732409 | 11481 | FEE | OW | S  |  |
| LARSEN 1-25A1      | 25 | 010S | 010W | 4304730552 | 815   | FEE | OW | TA |  |
| DRY GULCH 1-36A1   | 36 | 010S | 010W | 4304730569 | 820   | FEE | OW | TA |  |



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 6

**ENTITY ACTION FORM**

Operator: EP Energy E&P Company, L.P. Operator Account Number: N 3850  
Address: 1001 Louisiana, Room 2730D  
city Houston  
state TX zip 77002 Phone Number: (713) 997-5038

**Well 1**

| API Number                                      | Well Name             |                   | QQ        | Sec | Twp | Rng                              | County   |
|---|-----------------------|-------------------|-----------|-----|-----|----------------------------------|----------|
| 4301333808                                      | Sprouse Bowden 2-18B1 |                   | NESW      | 18  | 2S  | 1W                               | Duchesne |
| Action Code                                     | Current Entity Number | New Entity Number | Spud Date |     |     | Entity Assignment Effective Date |          |
| E   | 16677                 | 16677             | 2/4/2008  |     |     | 6/23/2008                        |          |
| Comments: Recomplete - DHC - GR-WS<br>7/31/2012 |                       |                   |           |     |     |                                  |          |

**Well 2**

| API Number  | Well Name             |                   | QQ        | Sec | Twp | Rng                              | County   |
|---|-----------------------|-------------------|-----------|-----|-----|----------------------------------|----------|
| 4301350571  | Potter 4-27B5         |                   | SWNW      | 27  | 2S  | 5W                               | Duchesne |
| Action Code   | Current Entity Number | New Entity Number | Spud Date |     |     | Entity Assignment Effective Date |          |
| E   | 18411                 | 18411             | 2/2/2012  |     |     | 5/13/2012                        |          |
| Comments: Initial Completion to Wasatch<br>7/31/2012 CONFIDENTIAL |                       |                   |           |     |     |                                  |          |

**Well 3**

| API Number  | Well Name             |                   | QQ        | Sec | Twp | Rng                              | County |
|-------------|-----------------------|-------------------|-----------|-----|-----|----------------------------------|--------|
|             |                       |                   |           |     |     |                                  |        |
| Action Code | Current Entity Number | New Entity Number | Spud Date |     |     | Entity Assignment Effective Date |        |
|             |                       |                   |           |     |     |                                  |        |
| Comments:   |                       |                   |           |     |     |                                  |        |

**ACTION CODES:**

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

Maria S. Gomez

Name (Please Print)

Signature

Principal Regulatory Analyst

Title

7/31/2012

Date

RECEIVED

JUL 31 2012

Div. of Oil, Gas & Mining



|  |   |  |
|--|---|--|
| <b>STATE OF UTAH</b><br>DEPARTMENT OF NATURAL RESOURCES<br>DIVISION OF OIL, GAS, AND MINING  |   | FORM 9   |
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br><br>Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. |   | 5. LEASE DESIGNATION AND SERIAL NUMBER:<br>Fee |
|  |   | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME:          |
|  |   | 7. UNIT or CA AGREEMENT NAME:                  |
| 1. TYPE OF WELL<br>Oil Well  | 8. WELL NAME and NUMBER:<br>POTTER 4-27B5 |  |
| 2. NAME OF OPERATOR:<br>EP ENERGY E&P COMPANY, L.P.  |   | 9. API NUMBER:<br>43013505710000               |
| 3. ADDRESS OF OPERATOR:<br>1001 Louisiana , Houston, TX, 77002   | PHONE NUMBER:<br>713 997-5038 Ext         | 9. FIELD and POOL or WILDCAT:<br>ALTAMONT      |
| 4. LOCATION OF WELL<br>FOOTAGES AT SURFACE:<br>1537 FNL 1061 FWL<br>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:<br>Qtr/Qtr: SWNW Section: 27 Township: 02.0S Range: 05.0W Meridian: U   |   | COUNTY:<br>DUCHESNE                            |
|  |   | STATE:<br>UTAH                                 |

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION  | TYPE OF ACTION   |   |   |  |
|---|--|---|---|--|
| <input type="checkbox"/> NOTICE OF INTENT<br>Approximate date work will start:    | <input type="checkbox"/> ACIDIZE                       | <input type="checkbox"/> ALTER CASING                   | <input type="checkbox"/> CASING REPAIR                  |  |
| <input type="checkbox"/> SUBSEQUENT REPORT<br>Date of Work Completion:            | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS      | <input type="checkbox"/> CHANGE TUBING                  | <input type="checkbox"/> CHANGE WELL NAME               |  |
| <input type="checkbox"/> SPUD REPORT<br>Date of Spud:                             | <input type="checkbox"/> CHANGE WELL STATUS            | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input type="checkbox"/> CONVERT WELL TYPE              |  |
| <input checked="" type="checkbox"/> DRILLING REPORT<br>Report Date:<br>11/26/2012 | <input type="checkbox"/> DEEPEN                        | <input type="checkbox"/> FRACTURE TREAT                 | <input type="checkbox"/> NEW CONSTRUCTION               |  |
|   | <input type="checkbox"/> OPERATOR CHANGE               | <input type="checkbox"/> PLUG AND ABANDON               | <input type="checkbox"/> PLUG BACK                      |  |
|   | <input type="checkbox"/> PRODUCTION START OR RESUME    | <input type="checkbox"/> RECLAMATION OF WELL SITE       | <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION |  |
|   | <input type="checkbox"/> REPERFORATE CURRENT FORMATION | <input type="checkbox"/> SIDETRACK TO REPAIR WELL       | <input type="checkbox"/> TEMPORARY ABANDON              |  |
|   | <input type="checkbox"/> TUBING REPAIR                 | <input type="checkbox"/> VENT OR FLARE                  | <input type="checkbox"/> WATER DISPOSAL                 |  |
|   | <input type="checkbox"/> WATER SHUTOFF                 | <input type="checkbox"/> SI TA STATUS EXTENSION         | <input type="checkbox"/> APD EXTENSION                  |  |
|   | <input type="checkbox"/> WILDCAT WELL DETERMINATION    | <input type="checkbox"/> OTHER                          | OTHER: <input style="width: 100px;" type="text"/>       |  |

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Please see attached for details. FINAL REPORT.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 November 28, 2012

|                                       |                              |                                       |
|---------------------------------------|------------------------------|---------------------------------------|
| NAME (PLEASE PRINT)<br>Maria S. Gomez | PHONE NUMBER<br>713 997-5038 | TITLE<br>Principal Regulatory Analyst |
| SIGNATURE<br>N/A                      |                              | DATE<br>11/26/2012                    |



## 2.1 Operation Summary (Continued)

| Date      | Time<br>Start-End |       | Duration<br>(hr) | Phase | Activity | Sub | OP<br>Code | MD From<br>(ft) | Operation  |
|-----------|-------------------|-------|------------------|-------|----------|-----|------------|-----------------|--|
| 5/3/2012  | 6:00              | 6:00  | 24.00            | STG01 | 18       |     | P          |                 | PREP FOR FRAC  |
| 5/4/2012  | 6:00              | 12:00 | 6.00             | STG01 | 18       |     | P          |                 | PREP LOCATION FOR FRAC   |
|           | 12:00             | 12:30 | 0.50             | STG01 | 28       |     | P          |                 | MOL W/ LONE WOLF WIRE LINE UNIT, TGSM & JSA ( PERFORATING )  |
|           | 12:30             | 14:30 | 2.00             | STG01 | 21       |     | P          |                 | RIG RIH W/ 2-3/4" HSC GUNS LOADED 3 JSPF W/ 15.1 GM CHARGES & 120° PHASING, PERFORATE 12,761 TO 12,363' HOLDING 1000 PSIG @ SURFACE. NO PRESSURE CHANGES. RDMOL W/ LONE WOLF   |
| 5/5/2012  | 6:00              | 6:00  | 24.00            |       |          |     |            |                 | PREP FOR FRAC  |
|           | 6:00              | 6:00  | 24.00            |       |          |     |            |                 | PREP FOR FRAC  |
| 5/6/2012  | 6:00              | 6:00  | 24.00            |       |          |     |            |                 | PREP FOR FRAC  |
|           | 6:00              | 6:00  | 24.00            |       |          |     |            |                 | PREP FOR FRAC  |
| 5/7/2012  | 6:00              | 6:00  | 24.00            |       |          |     |            |                 | PREP FOR FRAC  |
| 5/8/2012  | 6:00              | 6:00  | 24.00            |       |          |     |            |                 | PREP LOCATION FOR FRAC   |
| 5/9/2012  | 6:00              | 10:00 | 4.00             | STG01 | 28       |     | P          |                 | MOL W/ STINGER WELL HEAD PROTECTION, TGSM & JSA (NU WELL HEAD PROTECTION)  |
|           | 10:00             | 12:00 | 2.00             | STG01 | 16       |     | P          |                 | CSIP 1000 PSIG, NU STINGER, RUN FLOW BACK LINES AND EQ.,   |
|           | 12:00             | 6:00  | 18.00            | STG01 | 18       |     | P          |                 | HEAT WATER FOR FRAC  |
| 5/10/2012 | 6:00              | 7:30  | 1.50             | STG01 | 28       |     | P          |                 | MOL W/ BAKER HUGHS FRAC EQUIPMENT, TGSM & JSA ( RIG UP )   |
|           | 7:30              | 11:00 | 3.50             | STG01 | 18       |     | P          |                 | RIG UP TGSM ( FRAC ) PRESSURE TEST LINES & EQUIPMENT TO 9800 PSIG, REPAIR LEAKS AND RETEST AS NEEDED.  |
|           | 11:00             | 11:30 | 0.50             | STG01 | 35       |     | P          |                 | BREAK DOWN STAGE 1 PERFS 10.2 BPM @ 4162 PSIG, TREAT STAGE 1 W/ 5000 GAL 15% HCL, FLUSH 10 OVER BTM PERF. ISDP @ 4266 F.G .77 5 MIN 3873 10 MIN @ 3398 15 MIN @ 3006 AVE RATE 27.5 MAX RATE 46.3 AVE PRES 5477 46.3 MAX PRES 7219 STAGE 1 WATER TO RECOVER 2418.8            |
|           | 11:30             | 15:30 | 4.00             | STG01 | 16       |     | N          |                 | STINGER HAS LEAK IN GREASE FITTING, STING OUT REPLACE FITTING, STING IN.   |
|           | 15:30             | 16:30 | 1.00             | STG02 | 35       |     | P          |                 | TREAT STAGE 1 PERFS W/ 3,676 # 100 MEASH IN 1/2 PPG STAGE AND 92,847 # TERRA PROP IN 1,2,&3 PPG FLUSH TO TOP PERF ISDP @ 4906 F.G .82 5 MIN 4390 10 MIN @ 4390 15 MIN @ 4085 AVE RATE 64.2 MAX RATE 68.3 AVE PRES 6428 MAX PRES 7425.  |
|           | 16:30             | 18:30 | 2.00             | STG02 | 21       |     | P          |                 | RIH W/ 2-3/4" HSC GUNS LOADED 3 JSPF W/ 15.1 GM CHARGES & 120° PHASING W/ WCS CBP, SET AND TEST CBP @ 12320'. PERFORATE 12,308' TO 11,861' NO PRESSURE CHANGES. TOT FRAC CREW  |
|           | 18:30             | 19:30 | 1.00             | STG02 | 35       |     | P          |                 | BREAK DOWN STAGE 2 PERFS 11.2 BPM @ 6477 PSIG, TREAT STAGE 3 W/ 5000 GAL 15% HCL, FLUSH 10 OVER BTM PERF. ISDP @ 4567 F.G .81 5 MIN 4200 10 MIN @ 4077 15 MIN @ 3975 AVE RATE 31.7 MAX RATE 55.3 AVE PRES 6378 MAX PRES 7622   |
|           | 19:30             | 20:30 | 1.00             | STG02 | 35       |     | P          |                 | TREAT STAGE 2 PERFS W/ 3,666 # 100 MEASH IN 1/2 PPG STAGE AND 113,437 # TERRA PROP IN 1,2,3,3.5 & 4 PPG FLUSH TO TOP PERF ISDP @ 4871 F.G .84 5 MIN 4589 10 MIN @ 4470 15 MIN @ 4395 AVE RATE 62 MAX RATE 69.5 AVE PRES 6134 MAX PRES 6571. SWTAGE 2 WATER TO RECOVER 2637.1 |
|           | 20:30             | 0:00  | 3.50             | STG03 | 21       |     | P          |                 | RIH W/ 2-3/4" HSC GUNS LOADED 3 JSPF W/ 15.1 GM CHARGES & 120° PHASING W/ WCS CBP, SET AND TEST CBP @ 11820'. PERFORATE 11,798' TO 11,515' NO PRESSURE CHANGES. SWI W/ 3700 PSIG SDFN  |
| 5/11/2012 | 6:00              | 11:00 | 5.00             | STG03 | 28       |     | P          |                 | PREP FOR FRAC, BJ ARRIVE ON LOCATION TGSM & JSA ( FRAC )   |



## 2.1 Operation Summary (Continued)

| Date      | Time<br>Start-End | Duratio<br>n<br>(hr) | Phase | Activit<br>y | Sub | OP<br>Code | MD From<br>(ft) | Operation   |
|-----------|-------------------|----------------------|-------|--------------|-----|------------|-----------------|---|
|           | 11:00 12:00       | 1.00                 | STG03 | 35           |     | P          |                 | CSIP @ 3067 BREAK DOWN STAGE 3 PERFS 9.9 BPM @ 5670 PSIG, TREAT STAGE 3 W/ 5000 GAL 15% HCL, FLUSH 10 OVER BTM PERF. ISDP @ 4557 F.G .82 5 MIN 3988 10 MIN @ 3577 15 MIN @ 3195 AVE RATE 29.2 MAX RATE 55.5 AVE PRES 6226 46.3 MAX PRES 7319                            |
|           | 12:00 13:00       | 1.00                 | STG03 | 35           |     | P          |                 | TREAT STAGE 3 PERFS W/ 3802 # 100 MEASH IN 1/2 PPG STAGE AND 97906 # TERRA PROP IN 1,2,&3 PPG FLUSH TO TOP PERF ISDP @ 5930 F.G .94 5 MIN 5368 10 MIN @ 5291 15 MIN @ 5171 AVE RATE 67 MAX RATE 69.1 AVE PRES 6429 MAX PRES 7225. STAGE 3 FLUID TO RECOVER 2728         |
|           | 13:00 14:30       | 1.50                 | STG04 | 21           |     | P          |                 | RIH W/ 2-3/4" HSC GUNS LOADED 3 JSPF W/ 15.1 GM CHARGES & 120* PHASING W/ WCS CBP, SET AND TEST CBP @ 11820'. PERFORATE 11281' TO 11,466' LOST 200 PSIG TOT FRAC CREW   |
|           | 14:30 15:30       | 1.00                 | STG04 | 35           |     | P          |                 | CSIP @ 2917 BREAK DOWN STAGE 4 PERFS 6.1 BPM @ 4704 PSIG, TREAT STAGE 4 W/ 5000 GAL 15% HCL, FLUSH 10 OVER BTM PERF. ISDP @ 4480 F.G .83 5 MIN 4174 10 MIN @ 3898 15 MIN @ 3639 AVE RATE 31.9 MAX RATE 60.8 AVE PRES 5627 46.3 MAX PRES 7030                            |
|           | 15:30 16:30       | 1.00                 | STG04 | 35           |     | P          |                 | TREAT STAGE 4 PERFS W/ 3538 # 100 MEASH IN 1/2 PPG STAGE AND 122219 # TERRA PROP IN 1,2,3,3.5,4 PPG FLUSH TO TOP PERF ISDP @ 5880 F.G .95 5 MIN 5289 10 MIN @ 4902 15 MIN @ 4674 AVE RATE 68.4 MAX RATE 68.9 AVE PRES 5827 MAX PRES 6161. STAGE FLUID TO RECOVER 2810.3 |
|           | 16:30 18:00       | 1.50                 | STG05 | 21           |     | P          |                 | RIH W/ 2-3/4" HSC GUNS LOADED 3 JSPF W/ 15.1 GM CHARGES & 120* PHASING W/ WCS CBP, SET AND TEST CBP @ 11268'. PERFORATE 11254' TO 10930' LOST 500 PSIG TOT FRAC CREW  |
|           | 18:00 18:30       | 0.50                 | STG05 | 35           |     | P          |                 | CSIP @ 2040 BREAK DOWN STAGE 5 PERFS 6.1 BPM @ 4413 PSIG, TREAT STAGE 5 W/ 5000 GAL 15% HCL, FLUSH 10 OVER BTM PERF. ISDP @ 3997 F.G .79 5 MIN 3369 10 MIN @ 1984 15 MIN @ 1328 AVE RATE 42.4 MAX RATE 66.4 AVE PRES 5498 46.3 MAX PRES 6863                            |
|           | 18:30 19:30       | 1.00                 | STG05 | 35           |     | P          |                 | TREAT STAGE 5 PERFS W/ 2431 # 100 MEASH IN 1/2 PPG STAGE AND 119018 # TERRA PROP IN 1,2,3,3.5,4 PPG FLUSH TO TOP PERF ISDP @ 4855 F.G .87 5 MIN 3393 10 MIN @ 3418 15 MIN @ 3283 AVE RATE 69.2 MAX RATE 69.4 AVE PRES 5173 MAX PRES 5682. STAGE FLUID TO RECOVER 2722.7 |
|           | 19:30 21:00       | 1.50                 | STG06 | 21           |     | P          |                 | RIH W/ 2-3/4" HSC GUNS LOADED 3 JSPF W/ 15.1 GM CHARGES & 120* PHASING W/ WCS CBP, SET AND TEST CBP @ 10910'. PERFORATE 10896' TO 10497' LOST 100 PSIG SWIFN  |
| 5/12/2012 | 6:00 10:00        | 4.00                 | STG06 | 18           |     | P          |                 | PREP LOCATION FOR FRAC  |
|           | 10:00 10:30       | 0.50                 | STG06 | 28           |     | P          |                 | TGSM & JSA ( FRAC)  |
|           | 10:30 11:00       | 0.50                 | STG06 | 18           |     | P          |                 | PRESSURE TEST LINES & EQUIPMENT ( FIX LEAKS & RETEST AS NEEDED )  |
|           | 11:00 12:00       | 1.00                 | STG06 | 35           |     | P          |                 | CSIP @ 1724 BREAK DOWN STAGE 6 PERFS 6.2 BPM @ 3685 PSIG, TREAT STAGE 6 W/ 5000 GAL 15% HCL, FLUSH 10 OVER BTM PERF. ISDP @ 3623 F.G .77 5 MIN 3142 10 MIN @ 2932 15 MIN @ 2799 AVE RATE 33.9 MAX RATE 54.5 AVE PRES 4749 MAX PRES 5644                                 |
|           | 12:00 13:00       | 1.00                 | STG06 | 35           |     | P          |                 | TREAT STAGE 6 PERFS W/ 3640 # 100 MESH IN 1/2 PPG STAGE AND 148205 # TERRA PROP IN 1,2,3,3.5,4 PPG FLUSH TO TOP PERF ISDP @ 4123 F.G .82 5 MIN 3656 10 MIN @ 3542 15 MIN @ 3463 AVE RATE 69.2 MAX RATE 70.3 AVE PRES 4665 MAX PRES 5782. STAGE FLUID TO RECOVER 3013.4  |
|           | 13:00 17:00       | 4.00                 | RDMO  | 02           |     | P          |                 | RDMOL W/ BJ FRAC EQUIPMENT  |
|           | 17:00 19:00       | 2.00                 | MIRU  | 01           |     | P          |                 | MOL SPOT EQUIPMENT PARTAIL RIG UP   |



## 2.1 Operation Summary (Continued)

| Date      | Time<br>Start-End |       | Duration<br>(hr) | Phase  | Activity | Sub | OP<br>Code | MD From<br>(ft) | Operation  |
|-----------|-------------------|-------|------------------|--------|----------|-----|------------|-----------------|--|
| 5/13/2012 | 6:00              | 6:30  | 0.50             | MIRU   | 28       |     | P          |                 | TGSM & JSA ( RIGGING UP )  |
|           | 6:30              | 9:30  | 3.00             | MIRU   | 01       |     | P          |                 | RIG UP, MAKE UP COIL CONNECTOR PULL AND PRESSURE TEST, TEST COIL TBG & FLOW BACK LINES   |
|           | 9:30              | 13:30 | 4.00             | PRDHEQ | 39       |     | P          |                 | RIH W/ 3-3/4" MILL 2-7/8" MOTOR ASSEMBLY, PUMP RATES 1/4 BPM, CHANGE RATES @ LINER TOP TO 2.5 BPM TAG AND DRILL CBPS @ 10,930 & 11287 PULL TO TOP PERF @ 10497' RIH TAG AND DRILL OUT PLUG @ 11,469' CIH TAG @ 11,670' CTM DRILL FOR 1 MINUTE MOTOR STALLED. |
|           | 13:30             | 17:30 | 4.00             | PRDHEQ | 39       |     | N          |                 | ATTEMPT TO WORK FREE, JARRING DOWN, PULLING INTO, CHANGING PUMP RATES, PUMPING SWEEPS, SURGING, PULL VALVE ON PUMPS, PULL INTO 60K, JARS WENT OFF PULLED FREE. POOH W/ COIL TBG AND BHA.   |
|           | 17:30             | 18:30 | 1.00             | PRDHEQ | 28       |     | P          |                 | CREW CHANGE TGSM & JSA ( COIL TBG OPERATIONS )   |
|           | 18:30             | 4:30  | 10.00            | PRDHEQ | 39       |     | P          |                 | RIH W/ 3-5/8" MILL PUMP RATES 1/4 BPM, CHANGE RATES @ LINER TOP TO 2.5 BPM, RETAG @ 10670' DRILL OUT IN 15 MIN, CIH TAG AND DRILL OUT PLUGS @ 11,836' & 12,322' C/O TO PBTD @ CTM 12,864'. CHANGE RATES TO 500 SCFS 2 BPM                                    |
|           | 4:30              | 6:00  | 1.50             | PRDHEQ | 18       |     | P          |                 | BREAK OUT TOOLS, BLOW COIL DRY.  |
| 5/14/2012 | 6:00              | 6:30  | 0.50             | RDMO   | 28       |     | P          |                 | CREW CHANGE TGSM & JSA ( RD MOVING OFF W/ COIL )   |
|           | 6:30              | 7:00  | 0.50             | RDMO   | 02       |     | P          |                 | RDMOL W/ CTS COIL TBG UNIT   |
|           | 7:00              | 6:00  | 23.00            | FB     | 19       |     | P          |                 | OPEN UP W/ 1800 PSIG ON 14/64 CHOKE<br>23 HOUR FLOW BACK<br>18 OIL<br>336 WATER<br>530 GAS<br>CURRENT PRESSURE 2400 PSIG ON 14/64 CHOKE.   |
| 5/15/2012 | 6:00              | 7:30  | 1.50             | WLWORK | 28       |     | P          |                 | MOL W/ LONE WOLF WIRELINE UNIT, TGSM & JSA ( OVER HEAD OPERATIONS )  |
|           | 7:30              | 9:00  | 1.50             | WLWORK | 26       |     | P          |                 | RIG UP RIH W/ 4.5 WIRE LINE SET PACKER, SET @ 9700' RDMO W/ WIRE LINE UNIT.  |
|           | 9:00              | 10:30 | 1.50             | MIRU   | 01       |     | P          |                 | MOL W/ NABORS 561 TGSM & JSA ( RIG UP ) RIG UP   |
|           | 10:30             | 16:00 | 5.50             | FB     | 19       |     | P          |                 | BLEED DOWNNN CASING  |
|           | 16:00             | 19:00 | 3.00             | PRDHEQ | 24       |     | P          |                 | PUMU & RIH W/ RET HEAD, 4 JTS 2-3/8", X/O, 118 JTS 2-7/8" 8RD EUE TBG, EOT @ 3885' SWIFN CSDFN CT.   |
| 5/16/2012 | 6:00              | 7:30  | 1.50             | PRDHEQ | 28       |     | P          |                 | CT TGSM & JSA ( PU TBG )   |
|           | 7:30              | 12:00 | 4.50             | PRDHEQ | 28       |     | P          |                 | PUMU & RIH W/ 183 JTS 2-7/8" TAG PKR SPACE OUT.  |
|           | 12:00             | 13:30 | 1.50             | PRDHEQ | 18       |     | P          |                 | PUMP 350 BBLS PACKER FLUID   |
|           | 13:30             | 17:30 | 4.00             | PRDHEQ | 16       |     | P          |                 | RIG DOWN WORK FLOOR N/D BOPE, N/U TREE, M/U WELL HEAD, DRIFT WELL HEAD, PRESSURE TEST CASING TO 1500 PSIG, PRESSURE TEST FLOWLINES TO 5000 PSIG, PUMP OUT PLUG @ 2500 PSIG.  |
|           | 17:30             | 6:00  | 12.50            | FB     | 19       |     | P          |                 | OPEN ON 14/64 CHOKE @ 800 PSIG<br>FLOW BACK<br>153 MCF<br>256 OIL<br>36 WTR<br>CURRENT PRESSURE 2225 FLOWING ON 14/64 CHOKE  |
|           |                   |       |                  |        |          |     |            |                 |  |
| 5/17/2012 | 6:00              | 7:30  | 1.50             | RDMO   | 28       |     | P          |                 | CT TGSM & JSA ( RDMO )   |
|           | 7:30              | 8:30  | 1.00             | RDMO   | 02       |     | P          |                 | RDMO W/ NABORS 561   |
|           | 8:30              | 6:00  | 21.50            | FB     | 19       |     | P          |                 | FLOW BACK<br>998 MCF<br>510 OIL<br>56 WTR<br>CURRENT PRESSURE 2225 FLOWING ON 14/64 CHOKE  |
| 5/18/2012 | 6:00              | 6:30  | 0.50             | FB     | 28       |     | P          |                 | TGSM & JSA ( INSPECTING CHOKES )   |



## 2.1 Operation Summary (Continued)

| Date      | Time<br>Start-End | Duration<br>(hr) | Phase    | Activity | Sub | OP<br>Code | MD From<br>(ft) | Operation   |
|-----------|-------------------|------------------|----------|----------|-----|------------|-----------------|---|
|           | 6:30 6:00         | 23.50            | FB       | 19       |     | P          |                 | 927 MCF<br>574 OIL<br>48 WTR<br>CURRENT PRESSURE 1950 FLOWING ON 14/64 CHOKE  |
| 5/19/2012 | 6:00 6:30         | 0.50             | FB       | 28       |     | P          |                 | TGSM & JSA ( LIGHTING FIRES IN TANKS )  |
|           | 6:30 6:00         | 23.50            | FB       | 19       |     | P          |                 | 864 MCF<br>379 OIL<br>33 WTR<br>CURRENT PRESSURE 1825 FLOWING ON 14/64 CHOKE  |
| 5/20/2012 | 6:00 6:30         | 0.50             | FB       | 28       |     | P          |                 | TGSM & JSA ( USING GROUND CABLE )   |
|           | 6:30 6:00         | 23.50            | FB       | 19       |     | P          |                 | 911 MCF<br>472 OIL<br>89 WTR<br>CURRENT PRESSURE 1600 FLOWING ON 18/64 CHOKE  |
| 5/21/2012 | 6:00 6:30         | 0.50             | FB       | 28       |     | P          |                 | TGSM & JSA ( CHANGING CHOKES )  |
|           | 6:30 6:00         | 23.50            | FB       | 19       |     | P          |                 | 1059 MCF<br>464 OIL<br>91 WTR<br>CURRENT PRESSURE 1500 FLOWING ON 18/64 CHOKE   |
| 5/22/2012 | 6:00 6:30         | 0.50             | FB       | 28       |     | P          |                 | TGSM & JSA ( BACK IN PARKING )  |
|           | 6:30 6:00         | 23.50            | FB       | 19       |     | P          |                 | 1008 MCF<br>537 OIL<br>105 WTR<br>CURRENT PRESSURE 1450 FLOWING ON 18/64 CHOKE  |
| 5/23/2012 | 6:00 6:30         | 0.50             | FB       | 28       |     | P          |                 | TGSM & JSA ( PP&E )   |
|           | 6:30 6:00         | 23.50            | FB       | 19       |     | P          |                 | 1194 MCF<br>462 OIL<br>157 WTR<br>CURRENT PRESSURE 1350 FLOWING ON 18/64 CHOKE  |
| 5/24/2012 | 6:00 6:30         | 0.50             | FB       | 28       |     | P          |                 | TGSM & JSA ( FLOW TESTING )   |
|           | 6:30 6:00         | 23.50            | FB       | 19       |     | P          |                 | 1200 MCF<br>523 OIL<br>180 WTR<br>CURRENT PRESSURE 1350 FLOWING ON 18/64 CHOKE<br>WAITED ON PIONEER THEY SHOWED UP TO WINDY TO RIG UP CRANE   |
| 5/25/2012 | 6:00 7:30         | 1.50             | CASPROD1 | 19       |     | P          |                 | CT TGSM RU CRANE & WL   |
|           | 7:30 6:00         | 22.50            | CASPROD1 | 19       |     | P          |                 | PSI 1300<br>CHOKE 18-48<br>MCF 1200<br>OIL 523 BBLS<br>WATER 180 BBLS<br>RU WL RIH W/ 1-11/16" WL WEIGHT BARS TAG UP @ 11338'<br>POOH LD RU SLICK LINE RIH W/ SAMPLE BAILER PUSH OBJECT<br>TO 12735' POOH RD SL UNIT RU E-LINE RIH W/ LOGGING TOOLS<br>RUN PROD LOG & TRACER LOG POOH RD TURN WELL OVER<br>TO FLOW TESTER |
| 7/31/2012 | 6:00 7:30         | 1.50             | MIRU     | 28       |     | P          |                 | CREW TRAVEL TO MELESCO 4 20C6, SAFETY MEETING ( RIGGING UP RIG AND RELEASING ANCHOR SAFELY. MOVING RIG SAFELEY) FILL OUT AND REVIEW JSA   |
|           | 7:30              |                  | WBP      | 18       |     | P          |                 | TUBING PRESSURE @ 50 PSI FLOWING TO TREATOR. HOOK TO TUBING WITH HOT OIL TRUCK AND FLUSH TUBING WITH 100 BBLS   |
|           | 7:30 9:00         | 1.50             | MIRU     | 01       |     | P          |                 | MOVE RIG TO LOCATION.   |



## 2.1 Operation Summary (Continued)

| Date     | Time<br>Start-End | Duration<br>(hr) | Phase   | Activity | Sub | OP<br>Code | MD From<br>(ft) | Operation   |
|----------|-------------------|------------------|---------|----------|-----|------------|-----------------|---|
| 8/1/2012 | 9:00 11:00        | 2.00             | MIRU    | 01       |     | P          |                 | SPOT RIG IN AND RIG UP. NIPPLE DOWN WELL HEAD. PICK UP TUBING AND ADD 6' 2 7/8" SUB UNDER TUBING HANGER AND HANG TUBING OFF IN WELLHEAD. NIPPLE UP 10K X 5K BOP SPOOL AND NABORS 5K BOP. RIG UP RIG TO PULL TUBING                      |
|          | 11:00 14:00       | 3.00             | PRDHEQ  | 18       |     | P          |                 | WORK ARROWSET PACKER LOOSE USING POWER SWIVEL   |
|          | 14:00 18:00       | 4.00             | PRDHEQ  | 39       |     | P          |                 | PULL OUT OF WELL WITH 1 JOINT 2 7/8" TUBING, 2-2 7/8" SUBS AND 252 JOINTS TUBING. EOT @ 1500' SECURE WELL   |
|          | 18:00 18:00       | 0.00             |         |          |     |            |                 | SHUT DOWN FOR DAY   |
|          | 6:00 7:30         | 1.50             | WBP     | 28       |     | P          |                 | TRAVEL TO LOCATION. HOLD SAFETY MEETING ON PINCH POINTS. FILL OUT & REVIEW JSA  |
|          | 7:30 8:00         | 0.50             | WBP     | 39       |     | P          |                 | TOOH W/ 44 JTS 2-7/8"EUE TBG. LD 4 JTS 2-3/8"EUE TBG & PKR ASSEMBLY   |
|          | 8:00 9:00         | 1.00             | WBP     | 32       |     | P          |                 | RU SLICKLINE UNIT. RIH & TAG FILL @ 12768'. POOH & RD SLICKLINE TRUCK   |
|          | 9:00 13:00        | 4.00             | WBP     | 39       |     | P          |                 | TIH W/ NO/GO, SOLID PLUG, 2 JTS 2-7/8"EUE TBG, 4-1/2" PBGA SHELL, 2' X 2-7/8"EUE PUP JT, SEAT NIPPLE, 4' X 2-7/8"EUE PUP JT, 4 JTS 2-7/8"EUE TBG, TAC & 295 JTS 2-7/8"EUE TBG. SET TAC @ 9375' IN 25K TENSION. SN @ 9509'. EOT @ 9608'. |
|          | 13:00 14:30       | 1.50             | WBP     | 16       |     | P          |                 | ND BOP. NU WELLHEAD & FLOWLINES   |
|          | 14:30 15:30       | 1.00             | WBP     | 06       |     | P          |                 | FLUSH TBG W/ 60 BBLS 2% KCL WTR   |
| 8/2/2012 | 15:30 18:00       | 2.50             | PRDHEQ  | 18       |     | P          |                 | RIH W/ 2-1/2" X 1-3/4" RHBC ROD PUMP, 10 WEIGHT RODS & 166 3/4" RODS. SDFN  |
|          | 18:00 18:00       | 0.00             |         |          |     |            |                 |   |
|          | 6:00 7:30         | 1.50             | INARTLT | 28       |     | P          |                 | TRAVEL TO LOCATION. HOLD SAFETY MEETING ON PICKING UP RODS. FILL OUT & REVIEW JSA   |
|          | 7:30 11:00        | 3.50             | INARTLT | 24       |     | P          |                 | CONTINUE IN HOLE W/ ROD PUMP, PICKING UP 113 7/8" ROD, 87 1" RODS & SPACE OUT W/ 8' & 2' X 1" PONY RODS & POISH ROD.  |
|          | 11:00 12:00       | 1.00             | INARTLT | 18       |     | P          |                 | FILL TBG W/ 25 BBLS 2% KCL WTR. STROKE TEST PUMP TO 1000 PSI. TESTED GOOD   |
|          | 12:00 13:30       | 1.50             | RDMO    | 02       |     | P          |                 | RD RIG. SLIDE PUMPING UNIT. HANG RODS & PWOP  |
|          |                   |                  |         |          |     |            |                 |   |



|  |  |   |
|--|--|---|
| <b>STATE OF UTAH</b><br>DEPARTMENT OF NATURAL RESOURCES<br>DIVISION OF OIL, GAS, AND MINING  |  | <b>FORM 9</b>   |
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br><br>Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. |  | <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b><br>Fee |
| <b>1. TYPE OF WELL</b><br>Oil Well   |  | <b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>          |
| <b>2. NAME OF OPERATOR:</b><br>EP ENERGY E&P COMPANY, L.P.   |  | <b>7. UNIT or CA AGREEMENT NAME:</b>                  |
| <b>3. ADDRESS OF OPERATOR:</b><br>1001 Louisiana, Houston, TX, 77002   |  | <b>8. WELL NAME and NUMBER:</b><br>POTTER 4-27B5      |
| <b>PHONE NUMBER:</b><br>713 997-5038 Ext   |  | <b>9. API NUMBER:</b><br>43013505710000               |
| <b>4. LOCATION OF WELL</b><br><b>FOOTAGES AT SURFACE:</b><br>1537 FNL 1061 FWL<br><b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b><br>Qtr/Qtr: SWNW Section: 27 Township: 02.0S Range: 05.0W Meridian: U  |  | <b>9. FIELD and POOL or WILDCAT:</b><br>ALTAMONT      |
|  |  | <b>COUNTY:</b><br>DUCHESNE                            |
|  |  | <b>STATE:</b><br>UTAH                                 |

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION   | TYPE OF ACTION  |
|--|---|
| <input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b><br>Approximate date work will start:<br><b>10/2/2014</b> | <input checked="" type="checkbox"/> ACIDIZE<br><input type="checkbox"/> CHANGE TO PREVIOUS PLANS<br><input type="checkbox"/> CHANGE WELL STATUS<br><input type="checkbox"/> DEEPEN<br><input type="checkbox"/> OPERATOR CHANGE<br><input type="checkbox"/> PRODUCTION START OR RESUME<br><input checked="" type="checkbox"/> REPERFORATE CURRENT FORMATION<br><input type="checkbox"/> TUBING REPAIR<br><input type="checkbox"/> WATER SHUTOFF<br><input type="checkbox"/> WILDCAT WELL DETERMINATION |
| <input type="checkbox"/> <b>SUBSEQUENT REPORT</b><br>Date of Work Completion:  | <input type="checkbox"/> ALTER CASING<br><input type="checkbox"/> CHANGE TUBING<br><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS<br><input checked="" type="checkbox"/> FRACTURE TREAT<br><input type="checkbox"/> PLUG AND ABANDON<br><input type="checkbox"/> RECLAMATION OF WELL SITE<br><input type="checkbox"/> SIDETRACK TO REPAIR WELL<br><input type="checkbox"/> VENT OR FLARE<br><input type="checkbox"/> SI TA STATUS EXTENSION<br><input type="checkbox"/> OTHER                |
| <input type="checkbox"/> <b>SPUD REPORT</b><br>Date of Spud:   | <input type="checkbox"/> CASING REPAIR<br><input type="checkbox"/> CHANGE WELL NAME<br><input type="checkbox"/> CONVERT WELL TYPE<br><input type="checkbox"/> NEW CONSTRUCTION<br><input type="checkbox"/> PLUG BACK<br><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION<br><input type="checkbox"/> TEMPORARY ABANDON<br><input type="checkbox"/> WATER DISPOSAL<br><input type="checkbox"/> APD EXTENSION  |
| <input type="checkbox"/> <b>DRILLING REPORT</b><br>Report Date:  | OTHER: <input style="width: 100px;" type="text"/>   |

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Set CIBP @ ~10416' with 10' cmt on top. Perforate ~10240'-10366' & prop frac with 75000# 30/50. Set CBP @ ~10212'. Perf from ~10013'-10201'. Acidize with 15000 gals. Set CBP @ ~9830'. Perf ~9649'-9819'. Acidize with 15000 gals. Drill out CBP @ ~9830' and 10212'. Leave CIBP @ ~10416'.

**Approved by the  
Utah Division of  
Oil, Gas and Mining**

Date: October 02, 2013

By: *Derek Duff*

|  |                                     |  |
|--|-------------------------------------|--|
| <b>NAME (PLEASE PRINT)</b><br>Maria S. Gomez | <b>PHONE NUMBER</b><br>713 997-5038 | <b>TITLE</b><br>Principal Regulatory Analyst |
| <b>SIGNATURE</b><br>N/A                      | <b>DATE</b><br>10/2/2013            |  |



|  |   |  |
|--|---|--|
| <b>STATE OF UTAH</b><br>DEPARTMENT OF NATURAL RESOURCES<br>DIVISION OF OIL, GAS, AND MINING  |   | FORM 9   |
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br><br>Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. |   | 5. LEASE DESIGNATION AND SERIAL NUMBER:<br>Fee |
|  |   | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME:          |
|  |   | 7. UNIT or CA AGREEMENT NAME:                  |
| 1. TYPE OF WELL<br>Oil Well  | 8. WELL NAME and NUMBER:<br>POTTER 4-27B5 |  |
| 2. NAME OF OPERATOR:<br>EP ENERGY E&P COMPANY, L.P.  | 9. API NUMBER:<br>43013505710000          |  |
| 3. ADDRESS OF OPERATOR:<br>1001 Louisiana, Houston, TX, 77002  | PHONE NUMBER:<br>713 997-5038 Ext         | 9. FIELD and POOL or WILDCAT:<br>ALTAMONT      |
| 4. LOCATION OF WELL<br>FOOTAGES AT SURFACE:<br>1537 FNL 1061 FWL<br>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:<br>Qtr/Qtr: SWNW Section: 27 Township: 02.0S Range: 05.0W Meridian: U   | COUNTY:<br>DUCHESNE                       |  |
|  |   | STATE:<br>UTAH                                 |

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION  | TYPE OF ACTION  |   |   |  |
|---|---|---|---|--|
| <input type="checkbox"/> NOTICE OF INTENT<br>Approximate date work will start:                  | <input checked="" type="checkbox"/> ACIDIZE                       | <input type="checkbox"/> ALTER CASING                   | <input type="checkbox"/> CASING REPAIR                  |  |
| <input checked="" type="checkbox"/> SUBSEQUENT REPORT<br>Date of Work Completion:<br>10/16/2013 | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS                 | <input type="checkbox"/> CHANGE TUBING                  | <input type="checkbox"/> CHANGE WELL NAME               |  |
| <input type="checkbox"/> SPUD REPORT<br>Date of Spud:   | <input type="checkbox"/> CHANGE WELL STATUS                       | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input type="checkbox"/> CONVERT WELL TYPE              |  |
| <input type="checkbox"/> DRILLING REPORT<br>Report Date:  | <input type="checkbox"/> DEEPEN                                   | <input checked="" type="checkbox"/> FRACTURE TREAT      | <input type="checkbox"/> NEW CONSTRUCTION               |  |
|   | <input type="checkbox"/> OPERATOR CHANGE                          | <input type="checkbox"/> PLUG AND ABANDON               | <input type="checkbox"/> PLUG BACK                      |  |
|   | <input type="checkbox"/> PRODUCTION START OR RESUME               | <input type="checkbox"/> RECLAMATION OF WELL SITE       | <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION |  |
|   | <input checked="" type="checkbox"/> REPERFORATE CURRENT FORMATION | <input type="checkbox"/> SIDETRACK TO REPAIR WELL       | <input type="checkbox"/> TEMPORARY ABANDON              |  |
|   | <input type="checkbox"/> TUBING REPAIR                            | <input type="checkbox"/> VENT OR FLARE                  | <input type="checkbox"/> WATER DISPOSAL                 |  |
|   | <input type="checkbox"/> WATER SHUTOFF                            | <input type="checkbox"/> SI TA STATUS EXTENSION         | <input type="checkbox"/> APD EXTENSION                  |  |
|   | <input type="checkbox"/> WILDCAT WELL DETERMINATION               | <input type="checkbox"/> OTHER                          | OTHER: <input type="text"/>                             |  |

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Set CICR @ 10416' and dumped 10' of cmt on top. Filled casing with KCL and tested to 7000 psig for 15 minutes. Perforated 10366' - 10240'. Treated with 3480# 100 mesh and 76860# TLC. Perforated 10201' - 10013'. Treated with 15000 gals 15% HCL acid. Perforated 9819 - 9649'. Treated with 15000 gals 15% HCL acid.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 December 20, 2013

|                                       |                              |                                       |
|---------------------------------------|------------------------------|---------------------------------------|
| NAME (PLEASE PRINT)<br>Maria S. Gomez | PHONE NUMBER<br>713 997-5038 | TITLE<br>Principal Regulatory Analyst |
| SIGNATURE<br>N/A                      |                              | DATE<br>12/19/2013                    |



|  |   |   |
|--|---|---|
| <b>STATE OF UTAH</b><br>DEPARTMENT OF NATURAL RESOURCES<br>DIVISION OF OIL, GAS, AND MINING  |   | <b>FORM 9</b>   |
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br><br>Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. |   | <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b><br>Fee |
| <b>1. TYPE OF WELL</b><br>Oil Well   |   | <b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>          |
| <b>2. NAME OF OPERATOR:</b><br>EP ENERGY E&P COMPANY, L.P.   |   | <b>7. UNIT or CA AGREEMENT NAME:</b>                  |
| <b>3. ADDRESS OF OPERATOR:</b><br>1001 Louisiana, Houston, TX, 77002   |   | <b>8. WELL NAME and NUMBER:</b><br>POTTER 4-27B5      |
| <b>4. LOCATION OF WELL</b><br><b>FOOTAGES AT SURFACE:</b><br>1537 FNL 1061 FWL<br><b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b><br>Qtr/Qtr: SWNW Section: 27 Township: 02.0S Range: 05.0W Meridian: U  |   | <b>9. API NUMBER:</b><br>43013505710000               |
| <b>PHONE NUMBER:</b><br>713 997-5038 Ext   |   | <b>9. FIELD and POOL or WILDCAT:</b><br>ALTAMONT      |
| <b>COUNTY:</b><br>DUCHESNE   |   | <b>STATE:</b><br>UTAH                                 |
| 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA  |   |   |
| <b>TYPE OF SUBMISSION</b>  | <b>TYPE OF ACTION</b>                                   |   |
| <input type="checkbox"/> NOTICE OF INTENT<br>Approximate date work will start:   | <input type="checkbox"/> ACIDIZE                        |   |
| <input checked="" type="checkbox"/> SUBSEQUENT REPORT<br>Date of Work Completion:<br>5/16/2014   | <input type="checkbox"/> ALTER CASING                   |   |
| <input type="checkbox"/> SPUD REPORT<br>Date of Spud:  | <input type="checkbox"/> CASING REPAIR                  |   |
| <input type="checkbox"/> DRILLING REPORT<br>Report Date:   | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS       |   |
|  | <input type="checkbox"/> CHANGE TUBING                  |   |
|  | <input type="checkbox"/> CHANGE WELL STATUS             |   |
|  | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS |   |
|  | <input type="checkbox"/> DEEPEN                         |   |
|  | <input type="checkbox"/> FRACTURE TREAT                 |   |
|  | <input type="checkbox"/> OPERATOR CHANGE                |   |
|  | <input type="checkbox"/> PLUG AND ABANDON               |   |
|  | <input type="checkbox"/> PRODUCTION START OR RESUME     |   |
|  | <input type="checkbox"/> RECLAMATION OF WELL SITE       |   |
|  | <input type="checkbox"/> REPERFORATE CURRENT FORMATION  |   |
|  | <input type="checkbox"/> SIDETRACK TO REPAIR WELL       |   |
|  | <input type="checkbox"/> TUBING REPAIR                  |   |
|  | <input type="checkbox"/> VENT OR FLARE                  |   |
|  | <input type="checkbox"/> WATER SHUTOFF                  |   |
|  | <input type="checkbox"/> SI TA STATUS EXTENSION         |   |
|  | <input type="checkbox"/> WILDCAT WELL DETERMINATION     |   |
|  | <input checked="" type="checkbox"/> OTHER               |   |
|  | OTHER: <input type="text" value="DO Plug"/>             |   |
| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.<br>Drilled out CIBP @ 10416'. See attached for details.   |   |   |
| Accepted by the<br>Utah Division of<br>Oil, Gas and Mining<br><b>FOR RECORD ONLY</b><br>July 01, 2014  |   |   |
| <b>NAME (PLEASE PRINT)</b><br>Maria S. Gomez   | <b>PHONE NUMBER</b><br>713 997-5038                     | <b>TITLE</b><br>Principal Regulatory Analyst          |
| <b>SIGNATURE</b><br>N/A  | <b>DATE</b><br>7/3/2014                                 |   |



## CENTRAL DIVISION

ALTAMONT FIELD  
POTTER 4-27B5  
POTTER 4-27B5  
RECOMPLETE LAND

### Operation Summary Report

Disclaimer: Although the information contained in this report is based on sound engineering practices, the copyright owner (s) does (do) not accept any responsibility whatsoever, in negligence or otherwise, for any loss or damage arising from the possession or use of the report whether in terms of correctness or otherwise. The application, therefore, by the user of this report or any part thereof, is solely at the user's own risk.



## 1 General

### 1.1 Customer Information

|                |                  |
|----------------|------------------|
| Company        | CENTRAL DIVISION |
| Representative |                  |
| Address        |                  |

### 1.2 Well Information

|                     |  |          |                 |
|---------------------|--|----------|-----------------|
| Well                | POTTER 4-27B5                          |          |                 |
| Project             | ALTAMONT FIELD                         | Site     | POTTER 4-27B5   |
| Rig Name/No.        |  | Event    | RECOMPLETE LAND |
| Start date          | 10/2/2013                              | End date | 5/17/2014       |
| Spud Date/Time      | 3/9/2012                               | UWI      | POTTER 4-27B5   |
| Active datum        | KB @5,591.0usft (above Mean Sea Level) |          |                 |
| Afe No./Description | 161771/49703 / POTTER 4-27B5           |          |                 |

## 2 Summary

### 2.1 Operation Summary

| Date      | Time<br>Start-End | Duration<br>(hr) | Phase  | Activity Code | Sub | OP<br>Code | MD from<br>(usft) | Operation   |
|-----------|-------------------|------------------|--------|---------------|-----|------------|-------------------|---|
| 10/3/2013 | 6:00 7:30         | 1.50             | MIRU   | 28            |     | P          |                   | TGSM & JSA ( ROADING EQUIPMENT )  |
|           | 7:30 10:30        | 3.00             | MIRU   | 01            |     | P          |                   | ROAD RIG FROM THE 1-10 C4, SLIDE UNIT RU  |
|           | 10:30 11:30       | 1.00             | PRDHEQ | 06            |     | P          |                   | WORK PUMP OFF SEAT, FLUSH TBG RESEAT TEST TO 1000   |
|           | 11:30 15:00       | 3.50             | PRDHEQ | 39            |     | P          |                   | L/D P ROD, SUBS, COOH W/ 87 1", 113 7/8", 166 3/4", 10 WT BARS, L/D & RETIRE 2 1/2" X 1 3/4" X 38' WALS RHBC  |
|           | 15:00 16:30       | 1.50             | MIRU   | 16            |     | P          |                   | C/O TO TBG EQUIPMENT, TEMPORARY RELAND TBG W/ 6' PUP JT, NU TESTED BOPE, RU WORK FLOOR, RELEASE TAC WIFN CSDFN CT   |
| 10/4/2013 | 6:00 7:30         | 1.50             | PRDHEQ | 28            |     | P          |                   | CT TGSM & JSA ( SCANNING TBG )  |
|           | 7:30 8:00         | 0.50             | MIRU   | 01            |     | P          |                   | RU PRS SCANNING EQUIPMENT   |
|           | 8:00 13:30        | 5.50             | PRDHEQ | 39            |     | P          |                   | SCAN OUT W/ 301 TTL JTS (154 YELLOW, LAY DOWN 85 BLUE, 62 RED)  |
|           | 13:30 14:00       | 0.50             | RDMO   | 02            |     | P          |                   | RD SCANNING EQUIPMENT MOL W/ PRS  |
|           | 14:00 21:00       | 7.00             | MIRU   | 01            |     | P          |                   | RD WORK FLOOR AND TBG EQUIPMENT, ND 5K BOPE, NU & TEST FRAC STACK TO 10K ( RELEASED RIG CREW @ 18:30 )  |
| 10/5/2013 | 6:00 7:30         | 1.50             | MIRU   | 28            |     | P          |                   | TGSM & JSA ( WIRE LINE OPERATIONS )   |
|           | 7:30 9:30         | 2.00             | MIRU   | 01            |     | P          |                   | RU PIONEER WIRE LINE EQUIPMENT  |
|           | 9:30 11:30        | 2.00             | WLWORK | 27            |     | P          |                   | RIH W/ BAKER 4 1/2" CICR WIRE LINE SET @ 10,416' RIH W/ DUMP BAILER, DUMP BAIL 10' CEMENT ON TOP OF CICR  |
|           | 11:30 13:30       | 2.00             | STG01  | 06            |     | P          |                   | FILL CASING W/ 312 BBLS KCL, CHART TEST TO 7000 PSIG FOR 15 MINUTES   |
|           | 13:30 14:30       | 1.00             | STG01  | 21            |     | P          |                   | RIH W/ 2-3/4" HSC GUNS LOADED 3 JSPF W/ 15.1 GM CHARGES & 120° PHASING, MIS RUN GUN WENT SHORT  |
|           | 14:30 17:30       | 3.00             | WLWORK | 55            |     | P          |                   | POOH REPAIR GUN RIH W/ GUN  |
|           | 17:30 19:00       | 1.50             | STG01  | 21            |     | P          |                   | RIH W/ 2-3/4" HSC GUNS LOADED 3 JSPF W/ 15.1 GM CHARGES & 120° PHASING, PERFORATE 10,366' TO 10,240' HOLDING 1000 PSIG @ SURFACE. NO PRESSURE CHANGES. RDMOL W/ PIONEER |
| 10/6/2013 | 7:00 8:00         | 1.00             | MIRU   | 28            |     | P          |                   | TGSM & JSA ( PROPER LIFTING )   |
|           | 8:00 12:00        | 4.00             | MIRU   | 18            |     | P          |                   | RU FLOW BACK LINE, SPOT SAND MASTER   |
| 10/7/2013 | 6:00 7:30         | 1.50             | MIRU   | 28            |     | P          |                   | TGAM & JSA ( HEATING TANKS )  |
|           | 7:30 21:30        | 14.00            | STG01  | 06            |     | P          |                   | HAET WATER FOR FRAC   |
| 10/8/2013 | 6:00 7:30         | 1.50             | MIRU   | 28            |     | P          |                   | CT TGSM & JSA ( FRAC OPERATIONS )   |
|           | 7:30 12:00        | 4.50             | MIRU   | 01            |     | P          |                   | MIRU WEATHERFORD FRAC EQUIPMENT   |
|           | 12:00 12:30       | 0.50             | STG01  | 35            |     | P          |                   | BREAK DOWNWN STAGE 1 @ 3530 @ 10 BPM ISDP @ 2396 5 MINUTE @ 1423  |



## 2.1 Operation Summary (Continued)

| Date       | Time<br>Start-End | Duration<br>(hr) | Phase  | Activity<br>Code | Sub | OP<br>Code | MD from<br>(usft) | Operation   |
|------------|-------------------|------------------|--------|------------------|-----|------------|-------------------|---|
|            | 12:30 13:30       | 1.00             | STG01  | 35               |     | P          |                   | TREAT STAGE 1 PERFS W/ 3,480 # 100 MESH IN 1/2 PPG STAGE AND 76,860 # TLC IN 1,2,&3 PPG FLUSH TO TOP PERF ISDP @ 3283 F.G .75 AVE RATE 70 MAX RATE 74.6 AVE PRES 4135 MAX PRES 5200. 2755 FLUID TO RECOVER AVE HP 7094  |
|            | 13:30 18:00       | 4.50             | STG02  | 21               |     | P          |                   | RIH W/ 2-3/4" HSC GUNS LOADED 3 JSPF W/ 15.1 GM CHARGES & 120" PHASING W/ WCS CBP, SET AND TEST CBP @ 10,212'. PERFORATE 10,201' TO 10,013' NO PRESSURE CHANGES. SWIFN  |
| 10/9/2013  | 6:00 6:30         | 0.50             | STG02  | 28               |     | P          |                   | TGSM & JSA ( PUMPING ACID )   |
|            | 6:30 7:30         | 1.00             | STG02  | 35               |     | P          |                   | SIP 1559 INSTALL BALL DROPPER., PRESSURE TEST LINES TO 7500, BREAK DOWWN STAGE 2 @ 3154 @ 9.8 BPM ISDP @ 2739 F.G .70   |
|            | 7:30 8:00         | 0.50             | STG02  | 35               |     | P          |                   | TREAT STAGE 2 W/ 7,500 GAL 15% HCL, DROP 100 BIO BALLS, CONITNUE PUMPING 7,500 GAL 15% HCL, FLUSH 10 OVER, AVE RATE 40 BPM, @ 3880 PSIG, MAX RATE 43 BPM @ 6566, AVE HORSE POWER 3804, 792 BBLs TO RECOVER  |
|            | 8:00 10:30        | 2.50             | STG03  | 21               |     | P          |                   | RIH W/ 2 CONSECUTIVE 2-3/4" HSC GUNS LOADED 3 JSPF W/ 15.1 GM CHARGES & 120" PHASING W/ WCS CBP, SET AND TEST CBP @ 9,830'. PERFORATE 9,819' TO 9,649'  |
|            | 10:30 11:00       | 0.50             | STG03  | 35               |     | P          |                   | SIP 440 , PRESSURE TEST LINES TO 7500, BREAK DOWWN STAGE 3 @ 3362 @ 9.3 BPM ISDP @ 2593 F.G .70   |
|            | 11:00 12:00       | 1.00             | STG03  | 35               |     | P          |                   | TREAT STAGE 3 W/ 7,500 GAL 15% HCL, DROP 100 BIO BALLS, CONITNUE PUMPING 7,500 GAL 15% HCL, FLUSH 10 OVER, AVE RATE 32 BPM, @ 4869 PSIG, MAX RATE 42 BPM @ 7113, AVE HORSE POWER 3819, 928 BBLs TO RECOVER  |
|            | 12:00 13:00       | 1.00             | WLWORK | 27               |     | P          |                   | SET CBP @ 9644  |
| 10/10/2013 | 13:00 16:30       | 3.50             | RDMO   | 02               |     | P          |                   | BWD RD WIRE LINE AND FRAC EQUIPMENT   |
|            | 6:00 7:30         | 1.50             | RDMO   | 28               |     | P          |                   | CT TGSM & JSA ( ND FRAC STACK )   |
|            | 7:30 10:30        | 3.00             | RDMO   | 02               |     | P          |                   | ND FRAC STACK   |
|            | 10:30 12:30       | 2.00             | MIRU   | 01               |     | P          |                   | NU BOPE AND HYDRILL TEST TO 5K  |
|            | 12:30 19:00       | 6.50             | INSTUB | 24               |     | P          |                   | RU HYDROTESTING UNIT MU 3 5/8" BIT, BIT SUB, START TESTING 1 JT 2 3/8", X/N NIPPLE ( 1.875 I.D ) 31 JTS, X/O TO 2 7/8" EUE, 154 JTS 2-7/8" 8RD EUE TBG RD TESTING UNIT, SWIFN CSDFN CT  |
| 10/11/2013 | 6:00 8:00         | 2.00             | INSTUB | 28               |     | P          |                   | NABORS MONTHLY SAFETY MEETING   |
|            | 8:00 9:00         | 1.00             | INSTUB | 28               |     | P          |                   | CT TGSM & JSA ( POWER SWIVEL OPERATIONS )   |
|            | 9:00 12:30        | 3.50             | INSTUB | 24               |     | P          |                   | CIH PU 116 JTS NEW 2-7/8" 8RD EUE TBG TAG LINER TOP @ 9620'   |
|            | 12:30 18:00       | 5.50             | INSTUB | 40               |     | P          |                   | RU POWER SWIVEL W/ 1 JT, START SRILLING PLUG @ 9647', DRILL UP CBP, CIRC DOWN W/ 6 JTS TAG CBP @ 9830' DRILL UP CBP, CIRC DOWN 11 JTS TAG CBP @ 10,212' CIRCULATE CLEAN, POOH W/ 20 JTS EOT @ 9530' CIRCULATE CLEAN, SWIFN, DRAIN PUMP AND RETURN LINES, CSDFN CT   |
| 10/12/2013 | 6:00 7:30         | 1.50             | INSTUB | 28               |     | P          |                   | CT TGSM & JSA ( POWER SWIVEL OPERATIONS )   |
|            | 7:30 15:30        | 8.00             | INSTUB | 40               |     | P          |                   | SITP 250 PSIG, SICP @ 500, OPEN UP CASING ON 18/64 PUMP 20 BBLs BRINE DOWN TBG, CIH W/ 20 JTS 2-7/8" 8RD EUE TBG, RU POWER SWIVEL, W/ 1 JT TAG CBP @ 10,212' DRILL UP CBP, CIRCULATE DOWN W/ 6 JTS TO CEMENT TOP @ 10,406'. CIRCULATE CLEAN, PUMP 20 BBLs BRINE DOWN TBG, POOH W/ 27 JTS EOT @ 9530', RU FLOW BACK LINES TO TBG, FLOW BACK TANK & FLOW LINE, PUMP DOWN CASING UP TBG GET WELL FLOWING UP TBG. |
|            | 15:30 6:00        | 14.50            | FB     | 23               |     | P          |                   | TOT FLOW BACK CREW 350 PSIG ON A 18/64 CHOKE CURRENT PRESSURE @ 150 ON 18/64 CHOKE 15 HOUR FLOW BACK 365 BBLs   |
| 10/13/2013 | 6:00 6:30         | 0.50             | FB     | 28               |     | P          |                   | TGSM & JSA ( FLOW BACK PROCEDURES )   |



## 2.1 Operation Summary (Continued)

| Date       | Time<br>Start-End | Duration<br>(hr) | Phase   | Activity<br>Code | Sub | OP<br>Code | MD from<br>(usft) | Operation  |
|------------|-------------------|------------------|---------|------------------|-----|------------|-------------------|--|
|            | 6:30 13:00        | 6.50             | FB      | 23               |     | P          |                   | STARTING PRESSURE 150 ON A 18/64 CHOKE<br>FLOW BACK 105 BBLS TO FLOW BACK TANK<br>PRESSURE CLIMBED TO 400<br>PUT TO TREATER 400 PSI ON A 18/64 CHOKE   |
|            | 13:00 6:00        | 17.00            | FB      | 23               |     | P          |                   | CURRENT PRESSURE 100 ON A 18/64 CHOKE<br>( NOT FLOW MUCH AT ALL )<br>17 HR FLOW BACK<br>25 MCF<br>25 OIL<br>53 WTR   |
| 10/14/2013 | 6:00 6:30         | 0.50             | FB      | 28               |     | P          |                   | TGSM & JSA ( FLOW BACK )   |
|            | 6:30 6:00         | 23.50            | FB      | 23               |     | P          |                   | CURRENT PRESSURE 50 SIG<br>6 MCF<br>7 OIL<br>0 WTR   |
| 10/15/2013 | 6:00 7:30         | 1.50             | INSTUB  | 28               |     | P          |                   | CT TGSM & JSA ( PU TBG )   |
|            | 7:30 12:30        | 5.00             | INSTUB  | 24               |     | P          |                   | TP 25 PSIG, CSIP @ 700 PSIG, BWD, PUMU & RIH W/ 27 JTS<br>TAG @ 10,406' NO FILL, CIRCULATE WELL CLEAN  |
|            | 12:30 16:00       | 3.50             | PRDHEQ  | 39               |     | P          |                   | POOH W/ 294 JTS 2-7/8", X/O, 31 JTS 2 3/8", X/N NIPPLE, 1JT,<br>BIT SUB, BIT   |
|            | 16:00 18:00       | 2.00             | INSTUB  | 39               |     | P          |                   | MU&RIH W/ 5 3/4" NO-GO, SOLID PLUG, 2 JTS, 4 1/2" PBGA,<br>2' PUP, + 45 PSN, 4' PUP, 4 JTS, 7" TAC, 108 JTS 2 7/8" 8RD<br>EUE TBG EOT @ 3675', SWIFN, CSDFN CT   |
| 10/16/2013 | 6:00 7:30         | 1.50             | INSTUB  | 28               |     | P          |                   | CT TGSM & JSA ( RIH W/ TBG )   |
|            | 7:30 13:00        | 5.50             | INSTUB  | 39               |     | P          |                   | BWD PUMP 30 BBLS DOWN TBG, CIH W/ 184 JTS,<br>CIRCULATE WELL CLEAN, SET TAC @ 9362' TEMPORARY<br>LAND TBG  |
|            | 13:00 15:30       | 2.50             | INARTLT | 06               |     | P          |                   | MU PUMP T AND FLOW LINES, C/O TO ROD EQUIPMENT,<br>FLUSH TBG W/ 60 BBLS  |
|            | 13:00 13:00       | 0.00             | INSTUB  | 16               |     | P          |                   | RD WORK FLOOR, RE LAND TBG W/ 25 K TENSION, C/O TO<br>ROD EQUIPMENT  |
|            | 15:30 18:00       | 2.50             | INARTLT | 39               |     | P          |                   | PU PRIME 2 1/2" X 1 3/4" X 38' WALS RHBC, 10 K BARS, 166<br>3/4", 113 7/8" PU P ROD SWI TBG LEAVE CASING TO<br>FACILITIES ( CONTACTED PUMPER )   |
| 10/17/2013 | 6:00 7:30         | 1.50             | INARTLT | 28               |     | P          |                   | CT TGSM & JSA ( RIH W/ RODS )  |
|            | 7:30 10:00        | 2.50             | INARTLT | 39               |     | P          |                   | CIH W/ 86 1" RODS, SPACE OUT W/ 8,6,4,2-2 X 1" SUBS AND<br>1-1/2" X 40' P-ROD TBG FULL, STROKE TEST TO 1000 PSIG   |
|            | 10:00 12:00       | 2.00             | RDMO    | 02               |     | P          |                   | RD SLIDE UNIT TOTP MOL   |
| 5/9/2014   | 6:00 7:30         | 1.50             | MIRU    | 28               |     | P          |                   | CREW TRAVEL HELD SAFETY MEETING ON RIGGING UP<br>RIG. FILLED OUT JSA   |
|            | 7:30 9:00         | 1.50             | MIRU    | 01               |     | P          |                   | SLID BACK ROTA FLEX. RU RIG WHILE PUMPING 60 BBLS<br>DOWN CSG.   |
|            | 9:00 12:30        | 3.50             | WOR     | 18               |     | P          |                   | TRIED WORKING PUMP OFF SEAT WHILE PUMPING 220<br>BBLS DOWN CSG. UNSUCCESSFUL.  |
|            | 12:30 14:30       | 2.00             | WOR     | 39               |     | P          |                   | TOOH W/ 86-1", 113-7/8" AND 64- 3/4". TOP OF RODS @ 6575'  |
|            | 14:30 16:00       | 1.50             | WOR     | 16               |     | P          |                   | CHANGED OVER TO PULL TBG. ND WELLHEAD NU BOP.<br>RELEASED TAC.   |
|            | 16:00 16:00       | 0.00             | WOR     | 39               |     | P          |                   | TOOH W/ 44-JTS 2 7/8 L-80 EUE TBG. EOT @ 8187'<br>SECURED WELL SDFN.   |
| 5/10/2014  | 6:00 7:00         | 1.00             | PRDHEQ  | 28               |     | P          |                   | CREW TRAVEL HSM WRITE & REVIEW JSA ( TOPIC )<br>PERFORATING  |
|            | 7:00 9:00         | 2.00             | WLWORK  | 21               |     | P          |                   | FINISH PUMPING 100 BBLS HOT 2% DOWN CSG., BLEED<br>OFF TBG, R/U THE PERFORATORS, RIH PERFORATE TBG<br>@ 5,185', POOH R/D PERFORATORS   |
|            | 9:00 10:30        | 1.50             | PRDHEQ  | 18               |     | P          |                   | R/U HOTOILER, FLUSH TBG W/ 40 BBLS HOT 2%, STEAM<br>OFF FLOOR & BOP'S  |
|            | 10:30 19:00       | 8.50             | PRDHEQ  | 39               |     | P          |                   | POOH W/ 162 JTS 2 7/8" TBG TO 3/4" RODS, BACK OFF<br>RODS, X-O TO ROD EQUIPMENT, CONTINUE POOH<br>STRIPPING RODS & TBG W/ 102-3/4", 10 WT BARS, 96 JTS 2<br>7/8" TBG, L/D JTS W/ PUMP STUCK IN IT & BHA, SECURE<br>WELL, SDFW. |
| 5/11/2014  | 6:00 6:00         | 24.00            | WOR     | 18               |     | P          |                   | NO ACTIVITY  |



## 2.1 Operation Summary (Continued)

| Date      | Time Start-End |       | Duration (hr) | Phase   | Activity Code | Sub | OP Code | MD from (usft) | Operation  |
|-----------|----------------|-------|---------------|---------|---------------|-----|---------|----------------|--|
| 5/12/2014 | 6:00           | 6:00  | 24.00         | WOR     | 18            |     | P       |                | NO ACTIVITY  |
| 5/13/2014 | 6:00           | 7:30  | 1.50          | WOR     | 28            |     | P       |                | CREW TRAVEL HELD SAFETY MEETING ON PICKING UP TUBING. FILLED OUT JSA.  |
|           | 7:30           | 13:00 | 5.50          | WOR     | 39            |     | P       |                | TALLIED AND RIH W/ 3 3/4 BIT, BIT SUB, 106-JTS 2 3/8 N-80 EUE TBG, X-OVER AND 221-JTS 2 7/8 L-80 EUE TBG. TAGGED FILL @ 10342.   |
|           | 13:00          | 15:30 | 2.50          | WOR     | 10            |     | P       |                | RU POWER SWIVEL. PUMPED 330 BBLS @ 5.5 BPM. GOT REVERSE CIRCULATION. PUMP BROKE DOWN   |
|           | 15:30          | 16:30 | 1.00          | WOR     | 39            |     | P       |                | TOOH W/ 28-JTS 2 7/8 L-80 TBG. EOT @ 9313' SECURED WELL SDFN.  |
| 5/14/2014 | 6:00           | 7:30  | 1.50          | WOR     | 28            |     | P       |                | CREW TRAVEL HELD SAFETY MEETING ON POWER SWIVEL FILLED OUT JSA.  |
|           | 7:30           | 8:30  | 1.00          | WOR     | 39            |     | P       |                | RIH W/ 28-JTS 2 7/8 L-80 EUE TBG. TAGGED FILL @ 10342' RU POWER SWIVEL   |
|           | 8:30           | 14:30 | 6.00          | WOR     | 10            |     | P       |                | PUMPED 390 BBLS GOT REVERSE CIRCULATION. CLEANED OUT TO CIBP. PUMPING 5 BPM RETURNING 2 BPM. CRILLED OUT CIBP LOST CIRCULATION. PUMPED 250 BBLS @ 8 BPM DIDN'T GET CIRCULATION PUMPED 60 BBLS DOWN TBG. RD POWER SWIVEL  |
|           | 14:30          | 17:30 | 3.00          | WOR     | 39            |     | P       |                | RIH W/ RIH W/ 76-JTS 2 7/8 L-80 EUE TBG TTL 297-JTS 2 7/8 AND 104-JTS 2 3/8' PUSHED CIBPTO 12848'. TOOH W/ 105-JTS 2 7/8 L-80 EUE TBG, EOT @ 9313'. SECURED WELL SDFN.   |
| 5/15/2014 | 6:00           | 7:00  | 1.00          | PRDHEQ  | 28            |     | P       |                | CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; TRIPPING TUBING  |
|           | 7:00           | 11:00 | 4.00          | PRDHEQ  | 39            |     | P       |                | CONTINUE TOH w 2 7/8" TBG L/D 2 3/8" TBG L/D BIT AND BIT SUB   |
|           | 11:00          | 18:30 | 7.50          | PRDHEQ  | 39            |     | P       |                | R/U HYDROTEST TOOLS HYDROTESTING IN HOLE w SOLID NO/GO 2-JTS OF 2 7/8" TBG 5-1/2" PBGA 2' X 2-7/8" TBG SUB 2-7/8" PSN 4' X 2-7/8" TBG SUB 4-JTS OF 2 7/8" TBG 7" TAC 292-JTS OF 2 7-7/8" TBG R/D HYDROTEST TOOLS SECURE WELL SDFN  |
| 5/17/2014 | 6:00           | 7:00  | 1.00          | PRDHEQ  | 28            |     | P       |                | CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; TRIPPING RODS  |
|           | 7:00           | 9:00  | 2.00          | PRDHEQ  | 16            |     | P       |                | CSIP 500 PSI TSIP 100 PSI BLEED OFF WELL N/D BOPE N/U WELL HEAD  |
|           | 9:00           | 17:00 | 8.00          | INARTLT | 03            |     | P       |                | PICKUP AND PRIME 2-1/2" X 1-3/4" X 38" RHBC PUMP TIH w 19- 1-1/2" K BARS TIH w 166-3/4" RODS TOH L/D 56-3/4" RODS TIH w 113-7/8" RODS P/U 27-3/4" RODS TIH w 86-1" P/U 25-1" RODS CHECK ALL COUPLING SPACE OUT PUMP w 2', 4', X 1" PONY RODS FILL TBG w 30 BBLS OF 2% KCL WATER TEST AND STROKE TEST TO 1000 PSI TEST GOOD |
|           | 17:00          | 18:00 | 1.00          | RDMO    | 02            |     | P       |                | RDMO SLIDE ROTO FLEX HANG OFF RODS TURN WELL OVER TO PRODUCTION  |



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